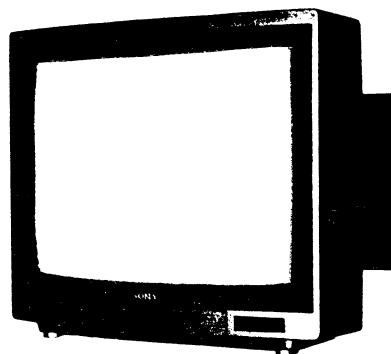


Modello Italiano

Nemero chassis: SCC-783B-A



SX CHASSIS

CARATTERISTICHE TECNICHE

Sistema televisivo: Sistema standard CCIR (B, G e H)

Sistema di colore: PAL

Gamma dei canali: Canali VHF da A ad H2

Canali UHF da 21 a 69

Sistema stereo: Sistema a due portanti

Sistema di programmazione: 30 programmi

Sintonia digitale per programmazione automatica

Cinescopio: Circa 68 cm (27 pollici) con angolo di deflessione di 114 gradi, sistema Trinitron

(Schermo di circa 64 cm misurato diagonalmente)

Antenna: Presa standard per antenna da 75 ohm (DIN 45325/IEC 169-2)

Uscita audio: 15 W + 15 W (Music)

Ingresso: Connettore di 21P Peritelevisione x 2

Uscite: Connettore per uscita audio (pin)

Uscita in linea: variabile 0-2 Vrms (mass.), con impedenza inferiore a 1 kohm

Terminali per altoparlanti esterni (2 pin

DIN) per altoparlanti da 16 ohm

Presa per cuffie per l'impedenza da

32 ohm

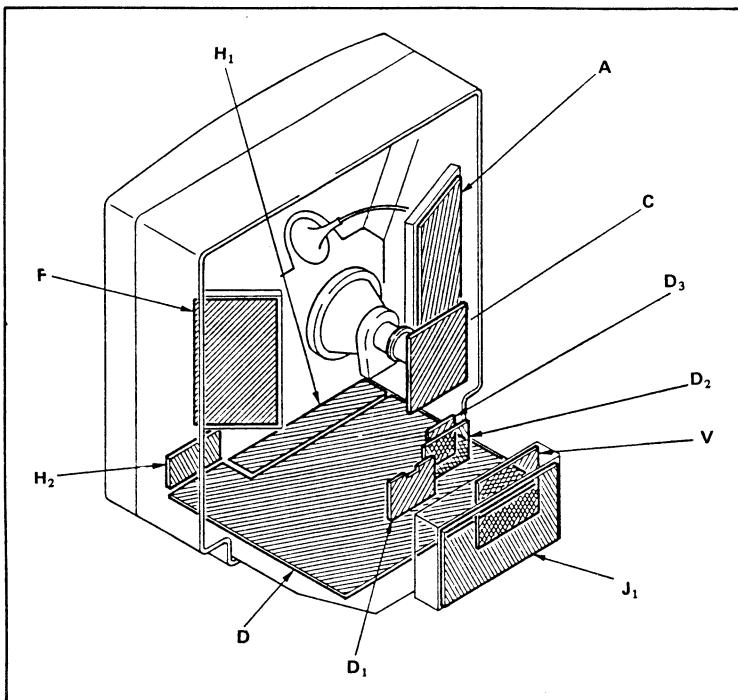
220-240 V CA, 50 Hz

Consumo: 115 Wh

Dimensioni: 773 x 562 x 479 mm (l/a/p)

Peso: Circa 50 kg

Accessori in dotazione: Trasmettitore di telecomandi RM 663 (1)



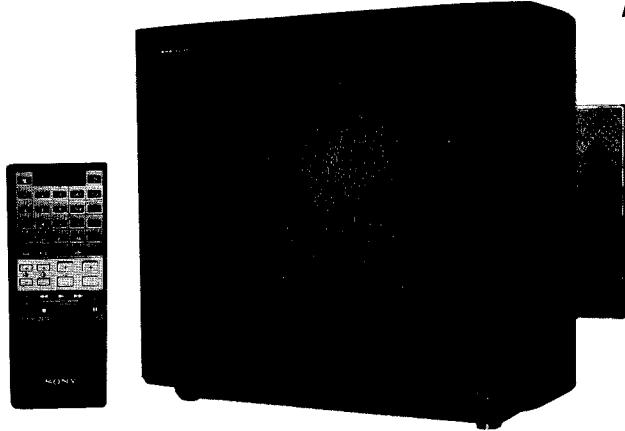
KV-27XRD/27XRTD

RM-664

SERVICE MANUAL

AEP Model

KV-27XRD Chassis No. SCC-784D-A
KV-27XRTD Chassis No. SCC-784B-A



July, 1986

SX CHASSIS

SPECIFICATIONS

Note: The service manual for RM-664 has been issued separately.

Television system	CCIR B, G and H	Outputs	Audio output connector (pin)
Colour system	PAL	Line output	Variable 0–2 Vrms (max.)
Channel coverage	VHF channels A-H2 UHF channels 21-69		Impedance less than 1 kilohm
Programming system	30 programmes Automatic programming digital tuning	External speaker terminals (2-pin DIN)	For 16 ohm speakers
Picture tube	Approx. 68cm (27 inches) 114-degree deflection Trinitron system (Approx. 64 cm picture measured diagonally)	Power requirements	Headphones jack (stereo phone jack)
Antenna	75-ohm standard antenna socket (BS3041/IEC169-2)	Power consumption	220–240 V ac, 50 Hz
Speakers	Two speakers Approx. 10 cm dia.	Dimensions	115 Wh
Audio output	5W + 5W (with 10% harmonic distortion) 15W + 15W (music power)	Weight	(Approx. 6W in standby condition)
Input	21-pin connector in accordance with the requirements of CENELEC Standard 21-Pin connector RGB input unconnected	Accessory supplied	Approx. 50kg RM 664 Remote Commander (1)
Remote control system	Infrared control	Optional accessory OPK-113 BGS teletext adaptor. (KV-27XRD ONLY)	
Power requirements	3 V dc 2 batteries IEC designation R03 (size AAA)		Design and specifications are subject to change without notice.
Dimensions:	Approx. 67 x 18 x 174mm (w/h/d)		
Weight	Approx. 160g (3.5 oz) incl. batteries		
Accessories supplied	IEC designation R03 battery (2)		



TRINITRON® COLOR TV
SONY®

CTV

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SAFETY-RELATED COMPONENT WARNING !!

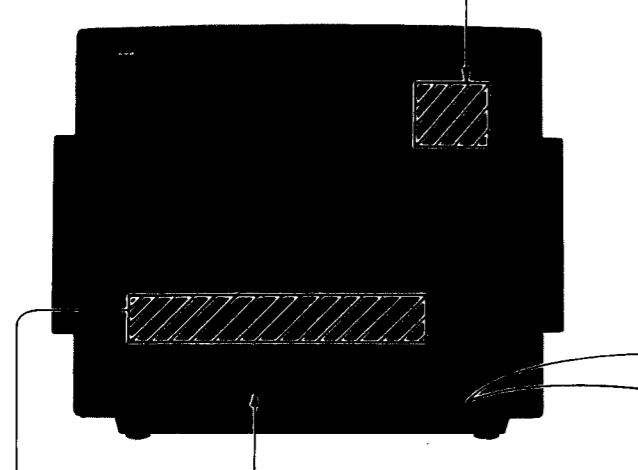
COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 1

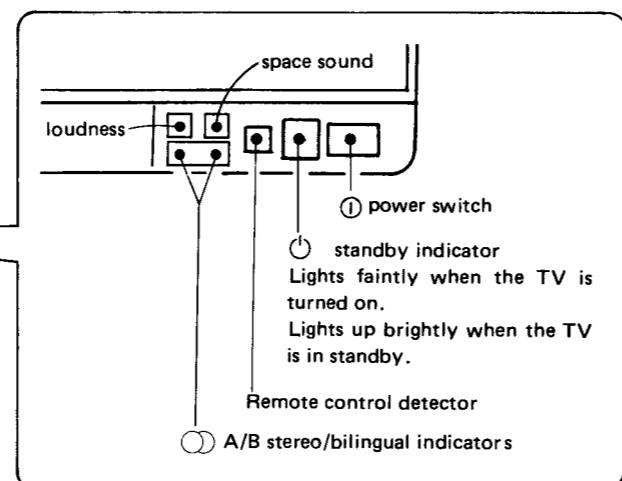
GENERAL

1-1. FUNCTION OF CONTROLS

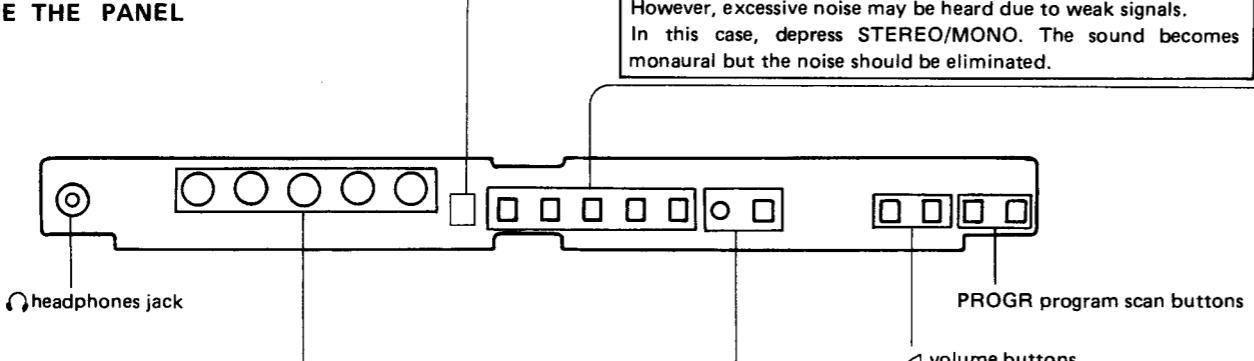
On-screen display
Indicates program numbers and $\square 1$, $\square 2$ input modes.



Bar display
Indicates the level of \triangle volume, \odot color and \bullet contrast.



INSIDE THE PANEL



Use to adjust picture and sound
SHARPNESS
 \odot brightness
 \square balance
 γ bass tone
 $\&$ treble tone

Use to fine tune a weak channel.
Normally, press AFT ON so that the indicator lights up. The channels are automatically fine tuned for the best possible picture.
However, in some cases a better picture may be obtained by fine tuning manually with SEARCH. When SEARCH is pressed, the AFT indicator goes off and the AFT circuit does not function on that channel.
(To restore the AFT circuit on this channel, press AFT ON so that the AFT indicator lights up.)

CONNECTING OTHER EQUIPMENT

Rear of the TV		Use
L/G/S	left external speaker terminal	Connect to external speakers. The TV speakers will be disconnected.
R/D/D	right external speaker terminal	
R/D/D	right audio output jack	Connect to audio equipment.
L/G/S	left audio output jack	
$\square 1$	21-pin connector (CENELEC standard)	Connect to a VTR, micro computer, etc. The picture of the TV channel being received is always output. The picture of $\square 2$ can be watched while recording a TV program with the VTR connected to $\square 1$.
$\square 2$	21-pin connector (without RGB input)	Connect to a second VTR. The picture displayed on the screen is always output. The picture of $\square 1$ can be recorded with the VTR connected to $\square 2$, while monitoring the picture.
\square	antenna socket	Connect to the antenna

VTR operation using the supplied Commander

To control an 8mm VTR, set the switch inside the battery compartment to IR. Set to the unmarked position to control other VTR's.

Remote operation of the VTR is limited to the features and functions of the VTR. For further details refer to the VTR manual.

USE TO TUNE IN RECEIVABLE CHANNELS

To tune in all channels automatically:

- 1 Press PRESET.
- 2 Press PROGR to select the program position from which tuning is to start.
- 3 Press AUTO PROGR.

The channels will be tuned in and memorized in consecutive positions, beginning from the program position selected in step 1.

When tuning has been completed, the set returns to the position where tuning started.

To tune in a particular channel in any desired program position:

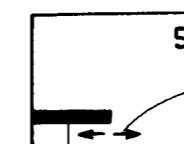
- 1 Press PRESET.
- 2 Press PROGR to select the desired position.
- 3 Press CLEAR.
- 4 Press SEARCH repeatedly until the desired channel appears.
- 5 Repeat steps 2 to 4 for all desired channels.
- 6 Press PRESET again.

To skip unused program positions:

- 1 Press PRESET.
- 2 Press PROGR to select the unused position.
- 3 Press CLEAR.
- 4 Repeat steps 2 and 3 for all unused positions.
- 5 Press PRESET again.

This program position will be skipped whenever PROGR ON the commander is pressed.

ON-SCREEN DISPLAY WHILE TUNING



Program position

The band of the channel being tuned will be underlined.

Indicates the approximate location in the band of the channel being tuned in. The band lengthens for a higher-frequency channel and shortens for a lower-frequency channel.

1.2. VIEWING TELETEXT

The numbers and symbols on the Commander for the teletext mode are in green.

OPERATION

- 1 Select the TV channel for the desired teletext service.
- 2 Press TEXT/MIX to display the teletext service.

To return to the TV mode, press TV.

To display the index page

Press INDEX.

To display the desired teletext page

Key in the three digits for the desired page using the number buttons.

To request a higher-numbered or lower-numbered page
Press PAGE + or -.

To superimpose the teletext page on the TV picture

Press TEXT/MIX.

To hold a teletext page so that it cannot be updated

Press HOLD. To resume normal teletext reception, press TEXT/MIX.

To enlarge the teletext display

Press  /  /  . Press once to enlarge the upper half of the display; press twice to enlarge the lower half of the display; press three times to return to the normal display.

To reveal the answers to a quiz

Press REVEAL.

To adjust the brightness of the teletext display

Press  .

To display the teletext service of another channel

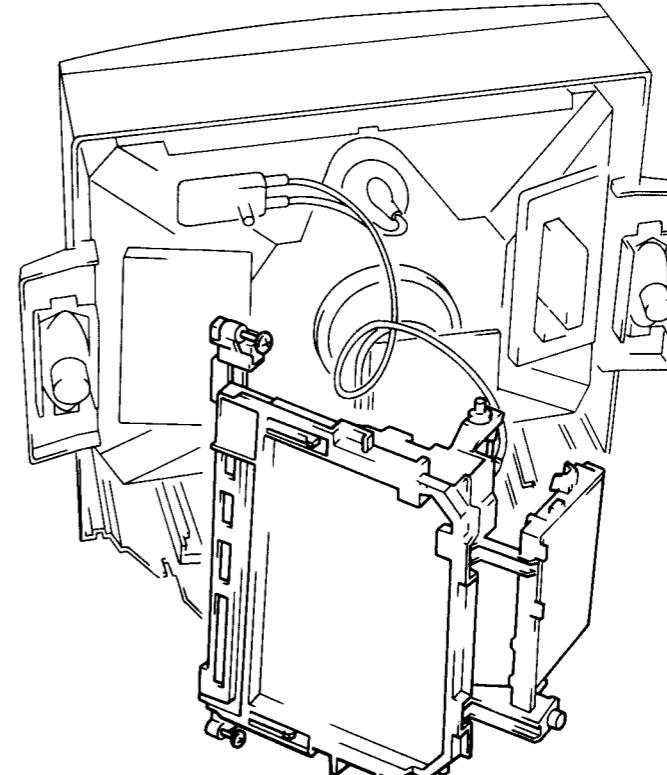
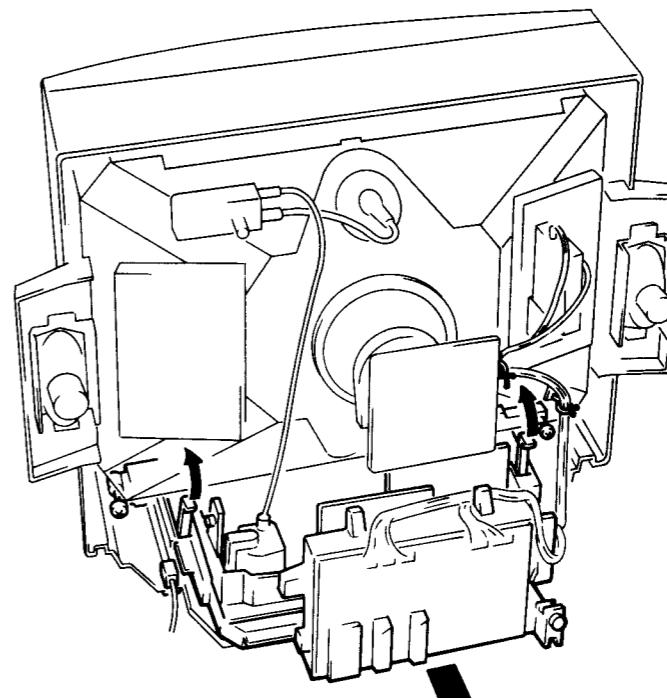
- 1 Press TV to return to the TV mode.
- 2 Select the desired TV channel.
- 3 Press TEXT/MIX.

To have a requested page broadcast at a predetermined time

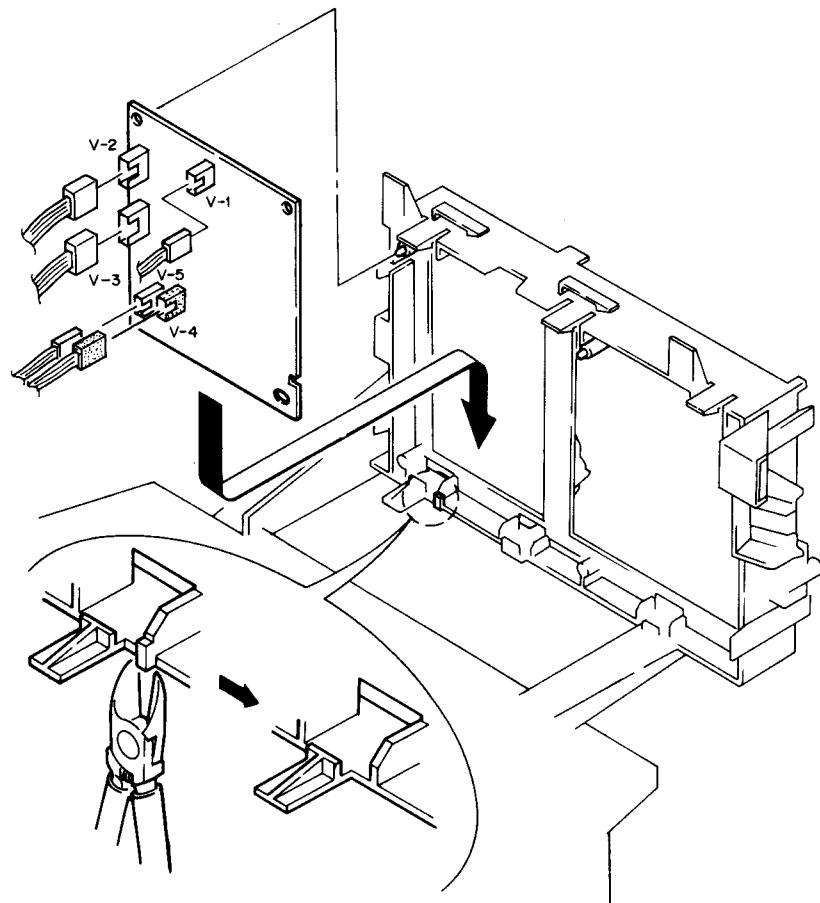
- 1 Request time coded page
- 2 Press TP ON. The time display in the top right hand corner of the screen starts flashing.
- 3 Enter your request time with the number buttons, using four digits. For example, 07:30.

To cancel the request, press TP OFF.

2.1. SERVICE POSITION

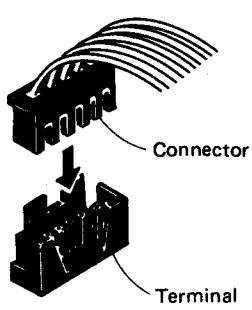
SECTION 2
SERVICE POSITION

2-2. OPK-113 BGS ATTACHING (KV-27XRD ONLY)



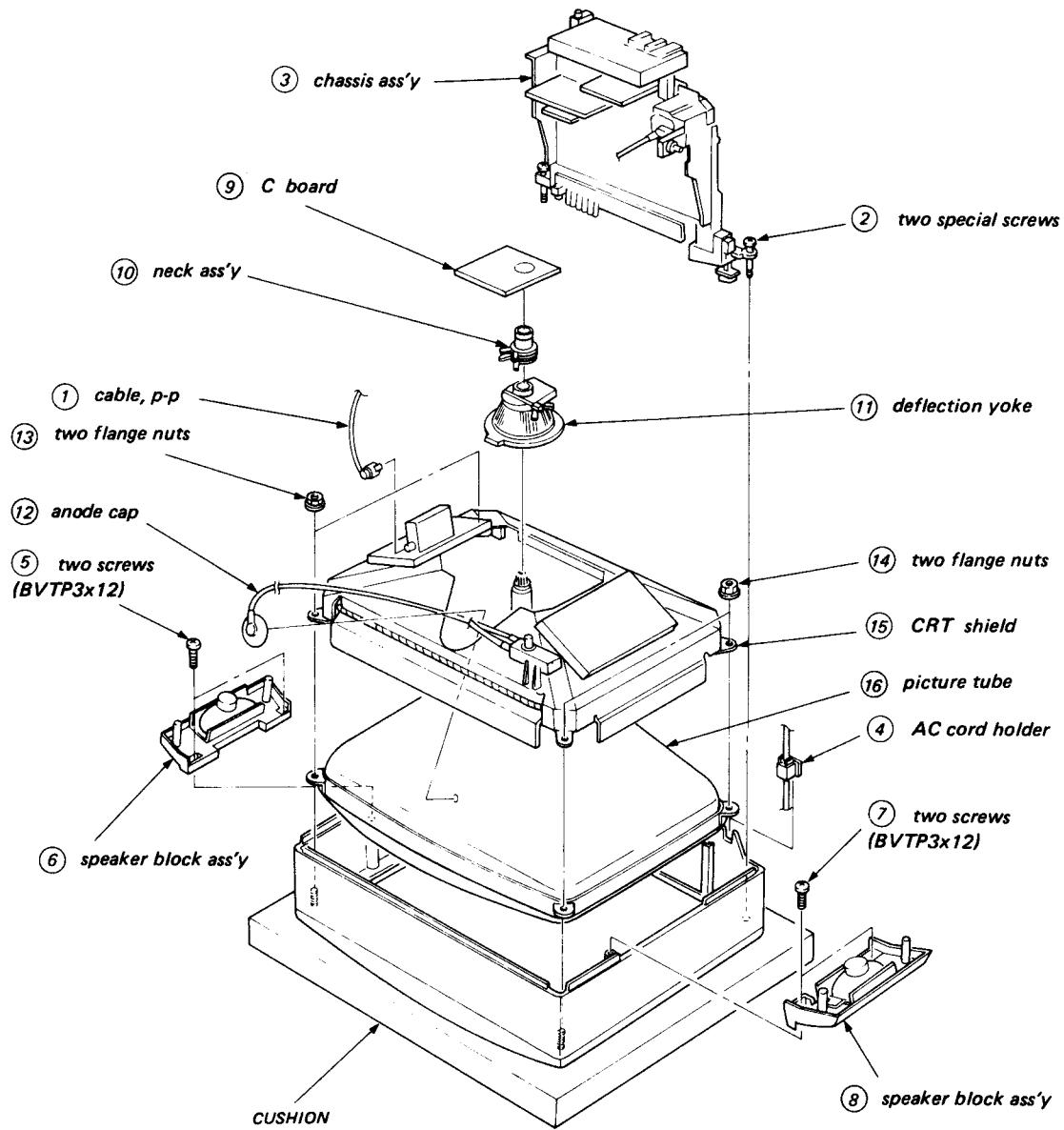
Connect to the same number terminal as the connector.

TV side	OPK side
D-15	V-1
D-9	V-2
D-2	V-3
D-14	V-4
D-21	V-5

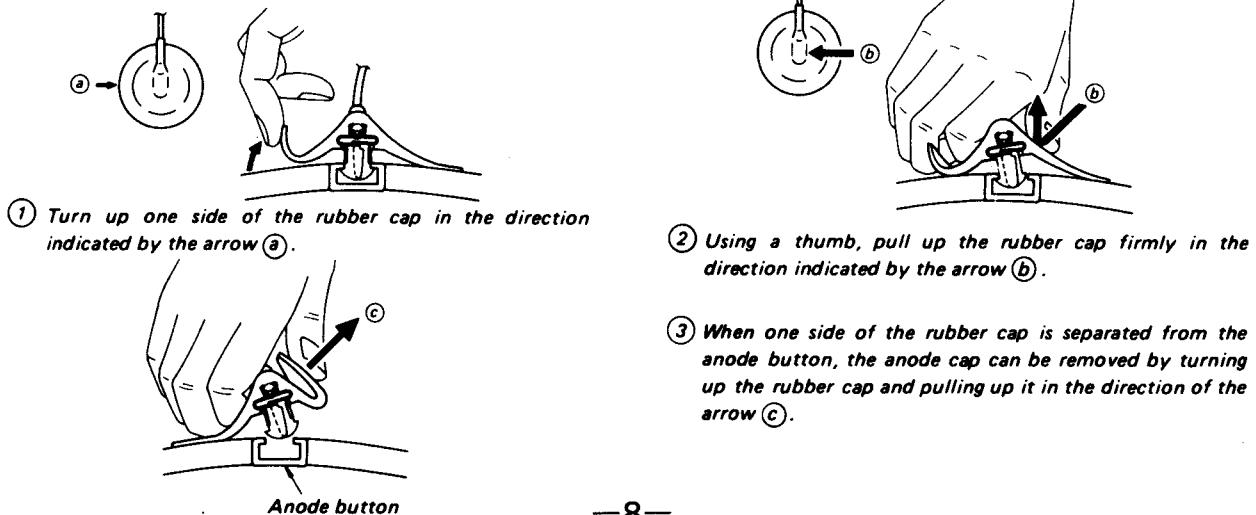


SECTION 3 DISASSEMBLY

3-1 PICTURE TUBE REMOVAL



• ANODE CAP REMOVAL



SECTION 4

SET-UP ADJUSTMENTS

The following adjustments should be made when a complete realignment is required or a new picture tube is installed. These adjustments should be performed with rated power supply voltage unless otherwise noted.

Controls and switch should be set as follows unless otherwise noted:

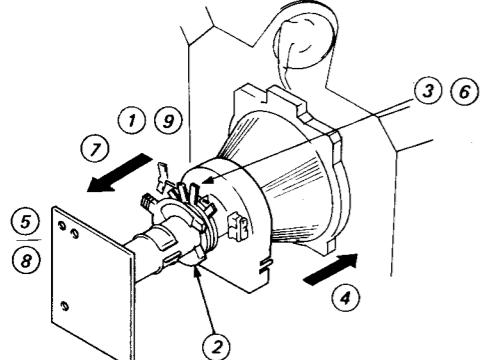
- (picture) button 80% (or normal by commander.)
(Press ● + button)
- (brightness) control CENTER CLICK Position

4-1. BEAM LANDING

Preparation:

- Feed in the white pattern.
- Before starting, degauss the entire screen.

1. Loosen deflection yoke screw.
2. Position neck ass'y as shown in Fig. 4-1.
3. Adjust purity control as shown in Fig. 4-2.
4. Slide deflection yoke as far forward as it will go.
5. Turn the raster signal of the pattern generator to red.
6. Adjust purity control to center vertical red band as shown in Fig. 4-3.
7. Slide deflection yoke back for a uniform red screen.
8. Check green and blue rasters for uniformity by performing the same way as steps 5,6 and 7.
9. Tighten the deflection yoke screw.
10. Check if mislanding appears at corners a - d as shown in Fig. 4-4. If mislanding is observed, correct it as shown in Fig. 4-4.
11. Confirm that beam landing is correct when the receiver is faced in all directions.



Note: The circled numbers (1 - 9) show above steps.

Perform the adjustments in order as follows:

1. Beam Landing
2. Convergence
3. SCREEN and White Balance
4. Focus (RV902)
5. V. CENT Adjustment

Note: Test Equipment Required.
1. Color-bar/Pattern Generator
2. Degausser

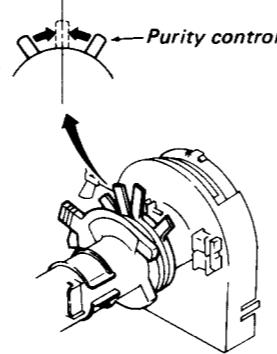
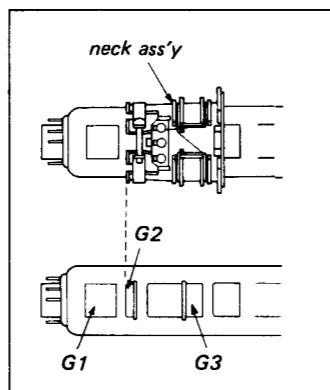


Fig. 4-1.

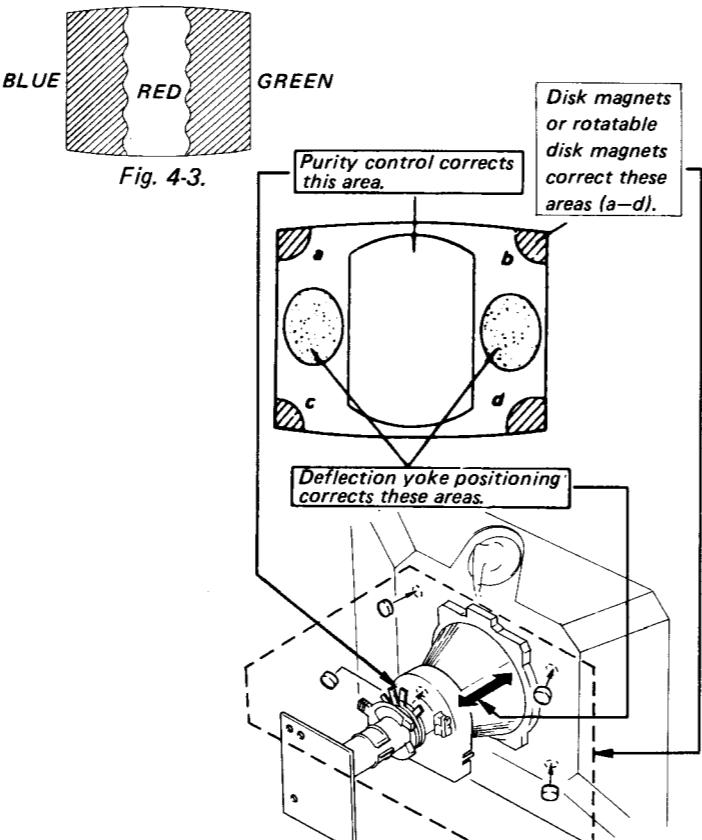


Fig. 4-4.

4-2. CONVERGENCE

Preparation:

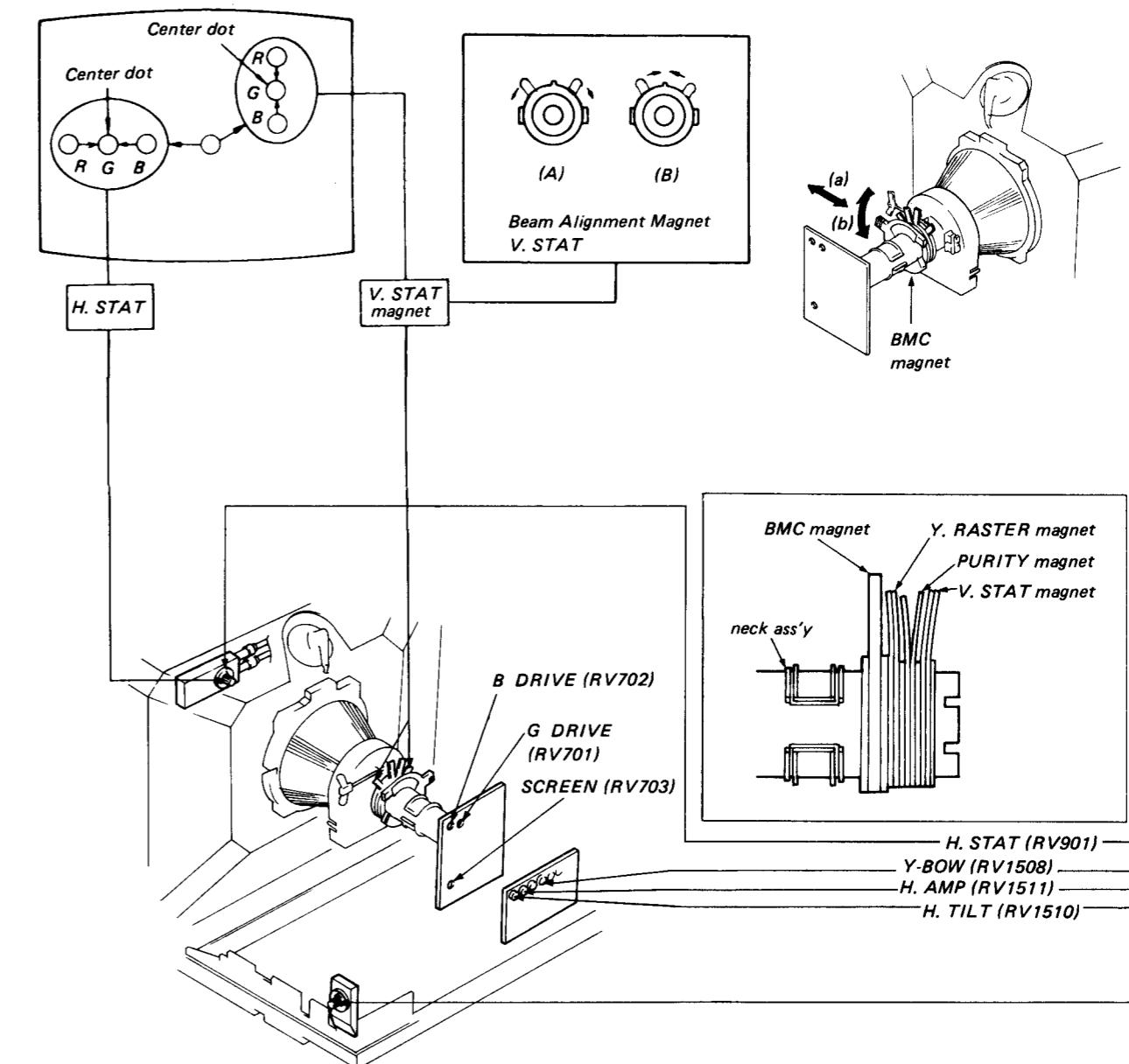
- Before starting this adjustment, perform FOCUS, H. SIZE and V. SIZE adjustments.
- Turn BRIGHTNESS control fully counterclockwise.
- Feed in a dot signal.

(1) Horizontal and Vertical Static Convergence

If blue dot does not coincide with red and green dots, perform following steps.

- Move BMC magnet (a) to correct insufficient H. static convergence.
- Rotate BMC magnet (b) to correct insufficient V. static convergence.

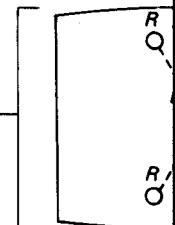
In either case, repeat Beam Landing Adjustment.



(2) Dynamic [Misconvergence]
1. Set RV1508
2. Adjust H. STAT
3. Adjust RV1511
4. Adjust RV1510
5. Repeat above times.

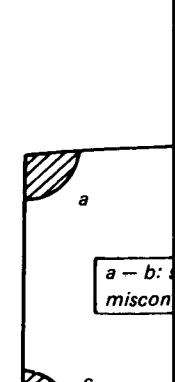
[Top and Bottom]

(A) Y. BOW

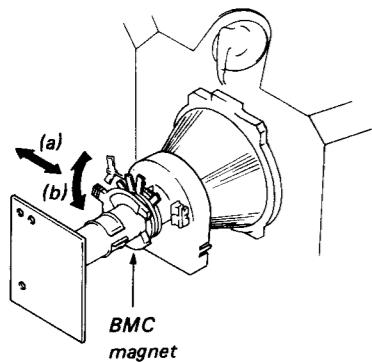


(D) Screen-c

(E) Screen-c



blue dot does not coincide with red and green dots, perform following steps.
Move BMC magnet (a) to correct insufficient static convergence.
rotate BMC magnet (b) to correct insufficient static convergence.
In either case, repeat Beam Landing Adjustment.

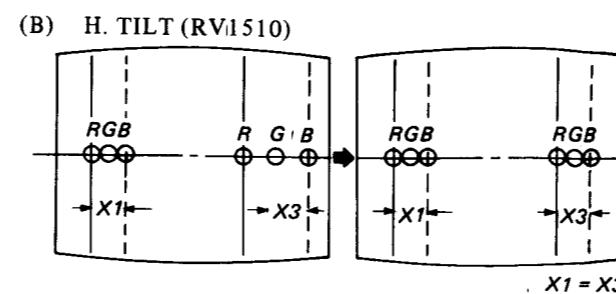
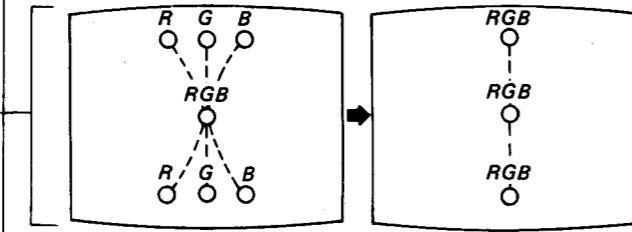


(2) Dynamic Convergence
[Misconvergence at Both Sides of Screen.]

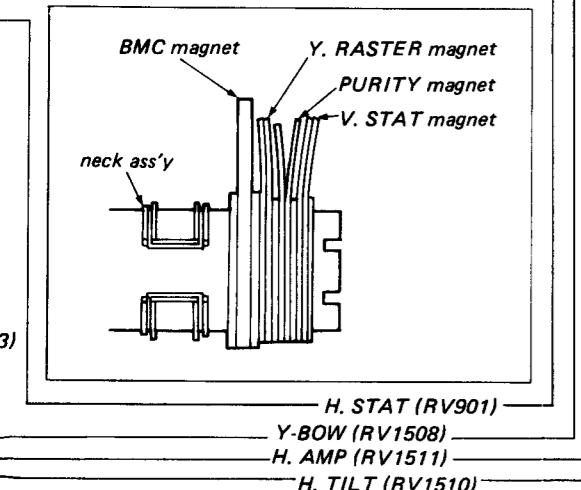
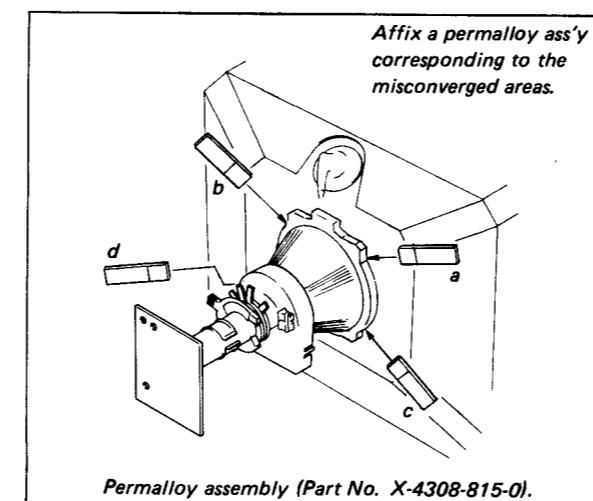
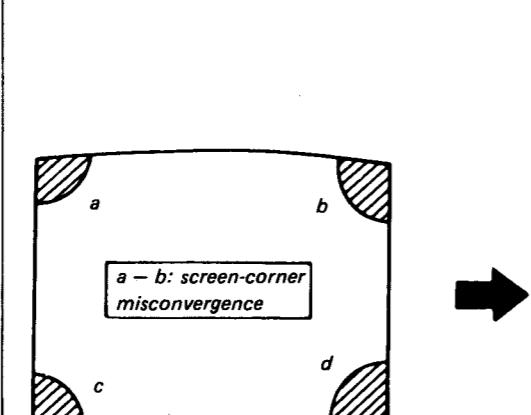
1. Set RV1511 and RV1510 to mechanical center.
2. Adjust H. STAT control so that green and blue dots coincide at center of screen.
3. Adjust RV1510 so that X1 is equal to X3.
4. Adjust RV1511 so that X2 is equal to X3.
5. Repeat above Steps 1 through 4 two or three times.

[Top and Bottom Misconvergence]

(A) Y. BOW (RV1508)



(D) Screen-corner Convergence



4-3. SCREEN and WHITE BALANCE

(1) SCREEN ADJ.

1. Feed in a dot signal.
2. Set PIC CONTROL, BRT VR's to minimum.
3. Connect external power supply 170V DC to R, G, B cathode.
4. Adjust SCREEN (RV703) to the point where retrace glows faintly.

(2) W/B ADJ.

1. Feed in a color bar.
2. Set: PIC, BRT: MAX
COL : MIN
3. Adjust B, G DRIVE VR's to get white balance.
4. Set: PIC, COL: MIN
BRT : CENTER
Adjust SUB BRT (RV401) to the point where the arrow indicates.

4-4. FOCUS (RV902)

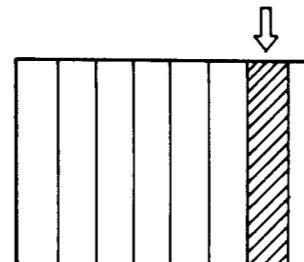
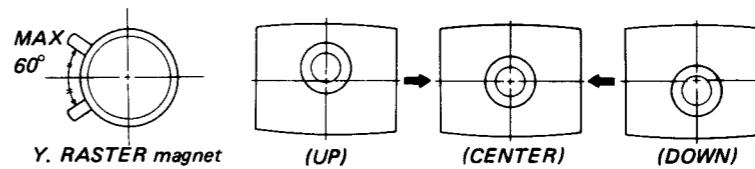
Adjust FOCUS control for a best picture.

4-5. V. CENT ADJUSTMENT

1. Before starting, perform H. SIZE, V. SIZE, V. LINE VR at center position.
2. Receive monoscope signal.

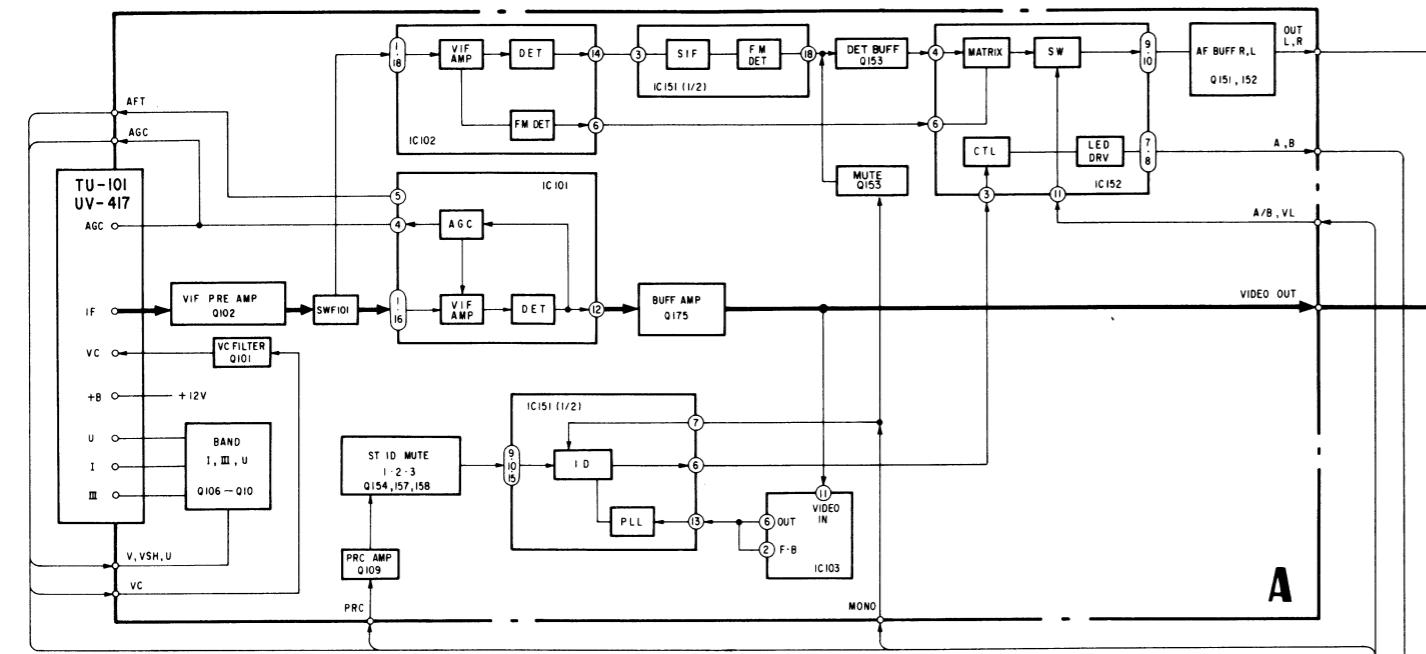
3. Adjust Y. RASTER magnet so that monoscope pattern is positioned at the center of screen.

Note: The opening angle of Y. RASTER magnet should be within 60°.

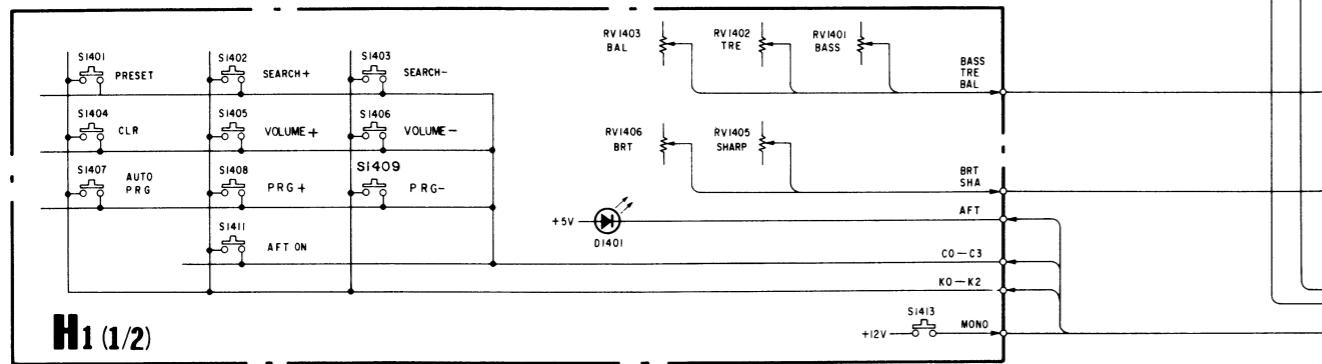


SIMPLE ADJUSTMENT METHOD

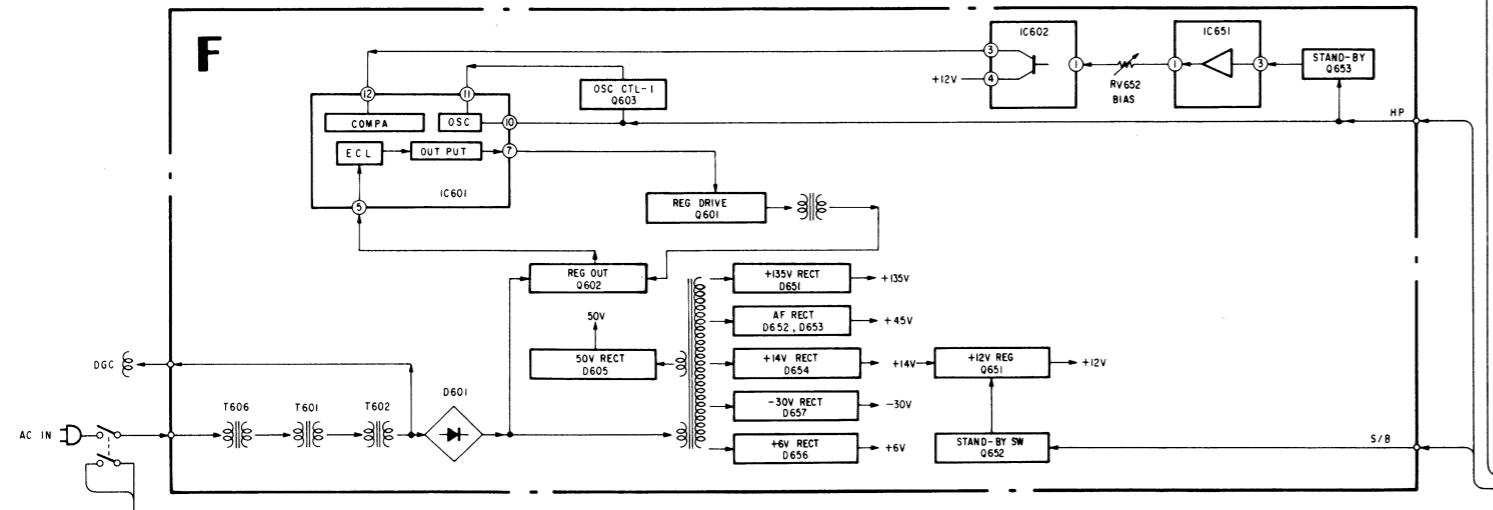
1. Receive an air signal.
2. Set PIC, BRT, COL to MAX.
3. Set B, G DRIVE VR's to mechanical center.
4. Turn SCREEN VR fully to the left and right and adjust to the center of the range over which color does not change.

SECTION 5
BLOCK DIAGRAM

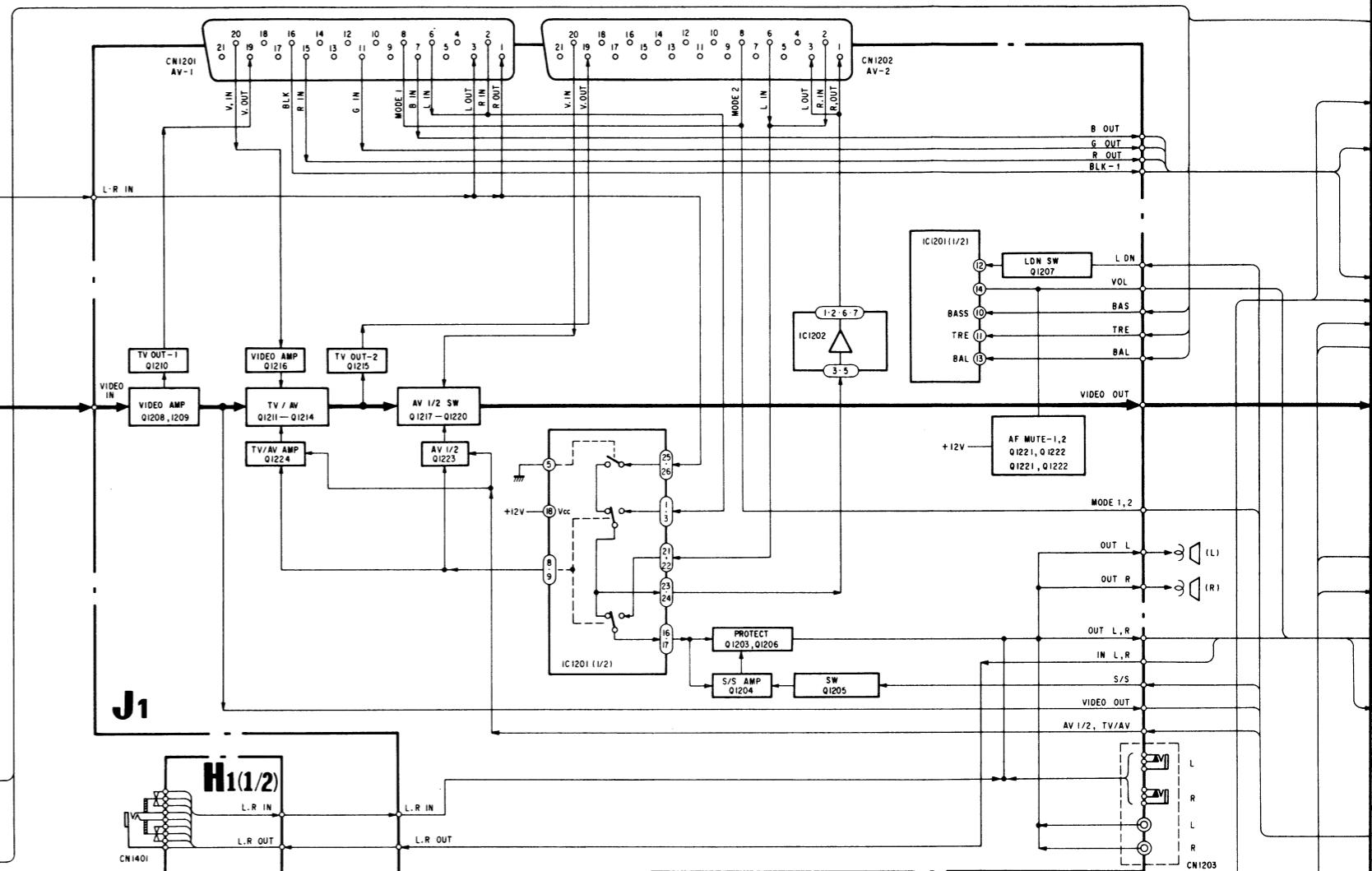
A



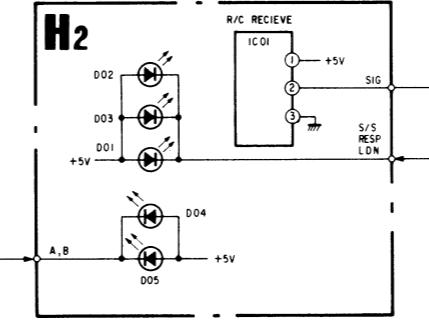
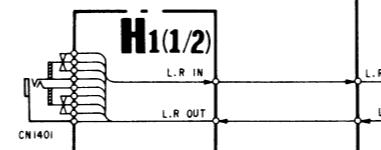
H1 (1/2)



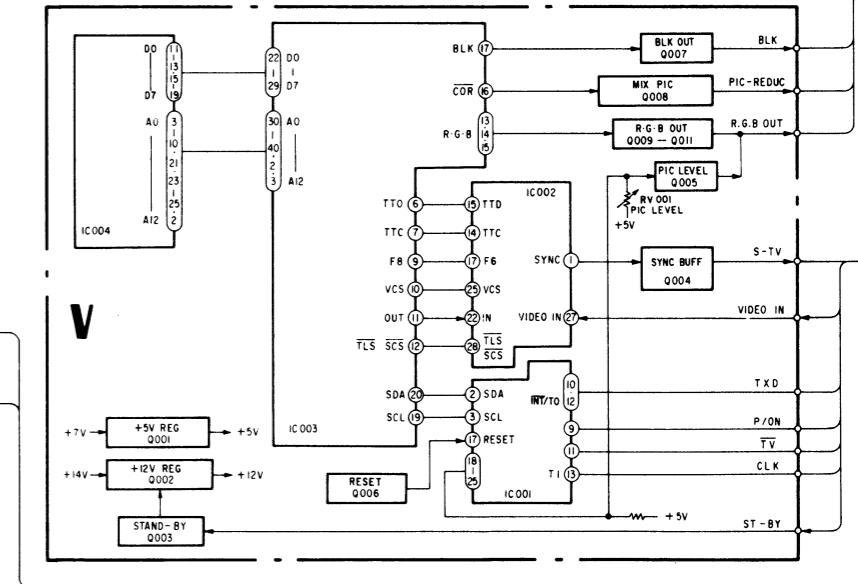
F



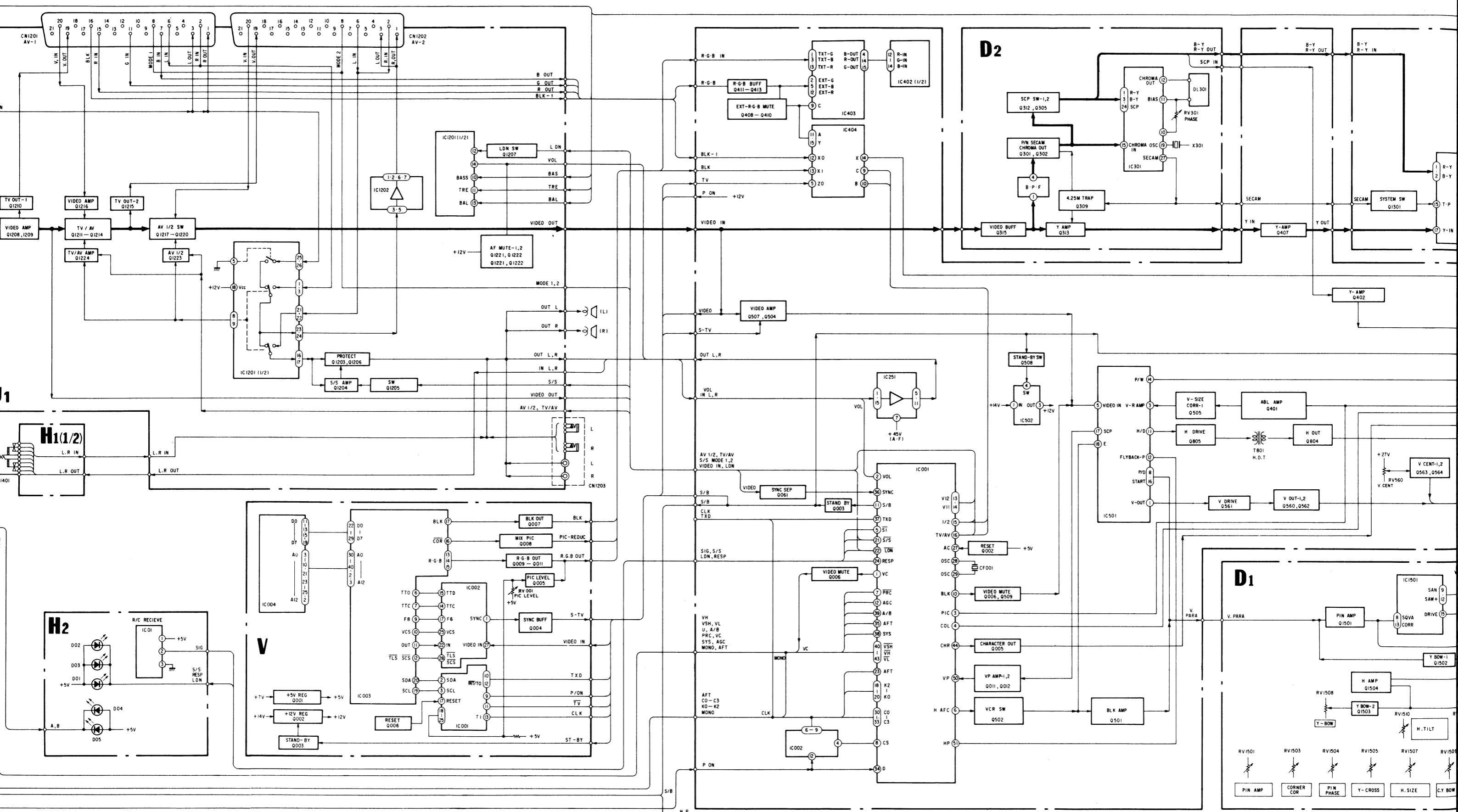
J1

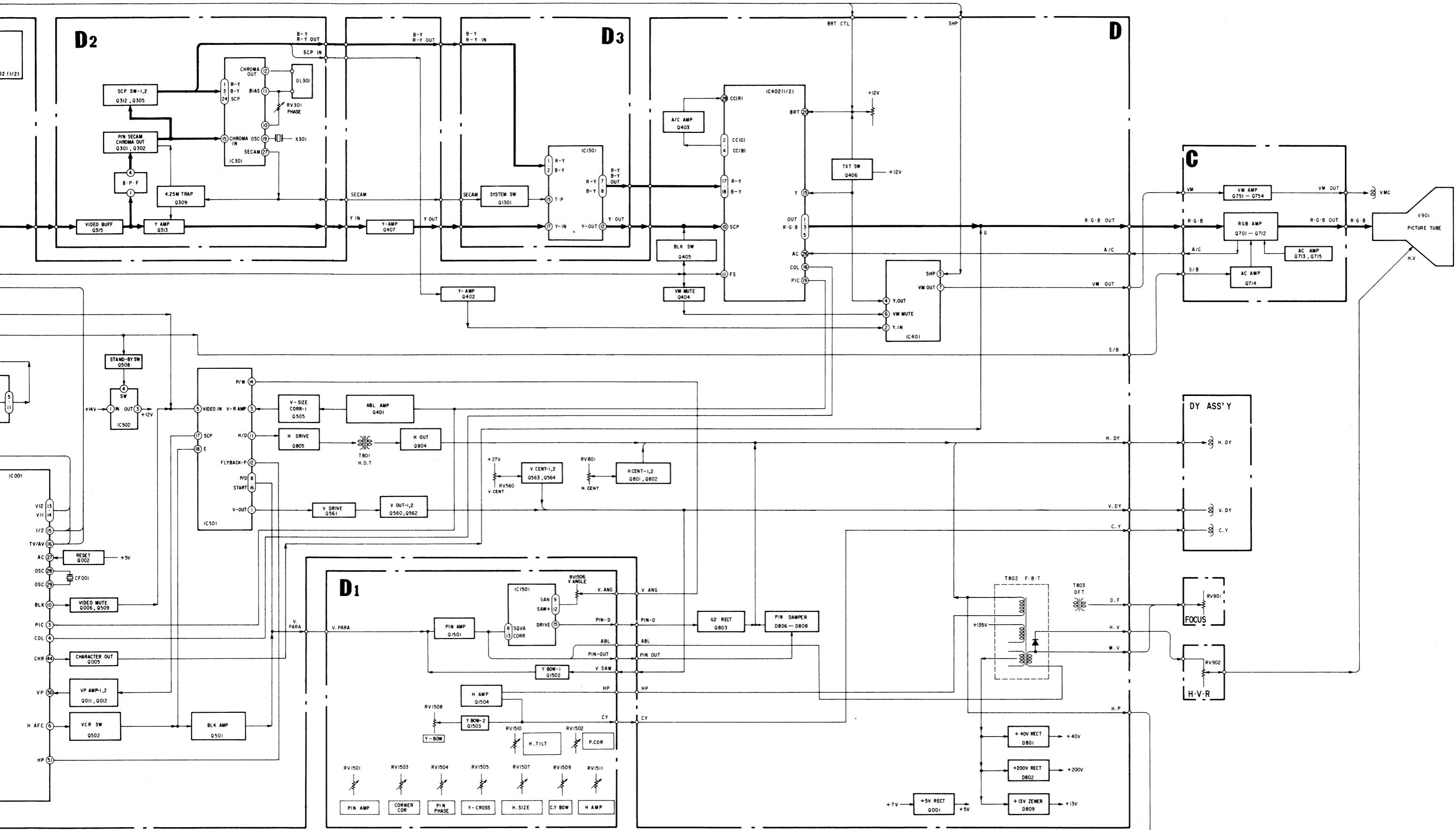


H2



V



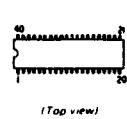


SECTION 6 SEMICONDUCTORS

AN78M12R



SAA5240A



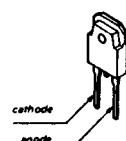
2SA1091
2SA933S
2SC1740
2SC2551
BF485-AMMO
JA101
JC501



2SD1497
2SD1497-02
2SD1497-06



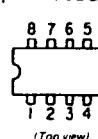
ERC26-15S
GH3F
V19E



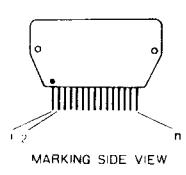
S6344G



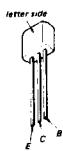
BA4558
HA17558
NJM4558D
 μ PC4558C



STK4362



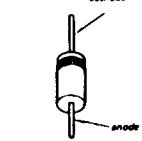
2SA1175
2SC2785



2SD795A



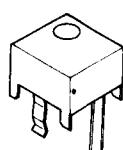
ERD29-08J



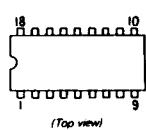
TLP581



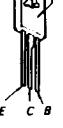
BX1387



TDA2546A
TDA2579
TDA2595
TDA4560
TDA4565



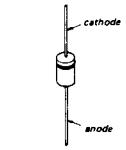
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2SC2688
2SC2690A



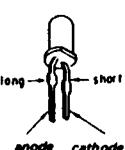
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1SS148



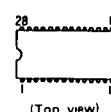
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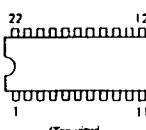
TLR124



CX20199
MAB8441P-T060
SAA5230
TC5564PL-15
TC5565PL-15
TDA3505
TDA3505-V7
TDA4555



TDA4940



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2SC2958
2SC2959
2SD773
2SD774

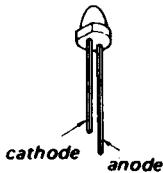


1N4148
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ES1F
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HZ5.6EB2
RGP10GPKG23
RD12EB2

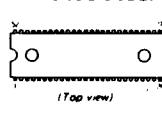
MC921



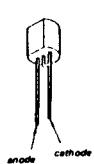
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M50436-511SP
M50436-515SP



μ PC574J

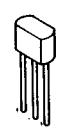


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2SC3504
2SD788
2SD789

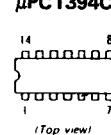


RD12EN2
RD13EB2
RD3.6EB2
RD3.9EN1
RD3.9EN2
RD39EB2
RD5.1EN2
RD5.6EB2
RD5.6EN1
RD5.6EN2
RD5.6EN3

MC931



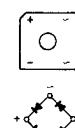
M58655P
TDA4944
 μ PC1394C



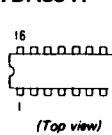
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2SC403SP
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DTA124ES
DTA144ES
DTC114ES
DTC124ES
DTC144ES



RB406NH



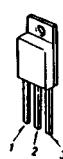
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TC74HC4053P
TDA1082
TDA3541



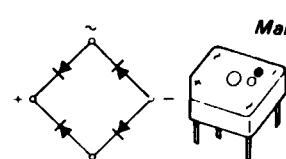
2SC2026



CTU-12S



S3WB60Z
S3WB60ZS



Marking

SECTION 7
EXPLODED VIEWS

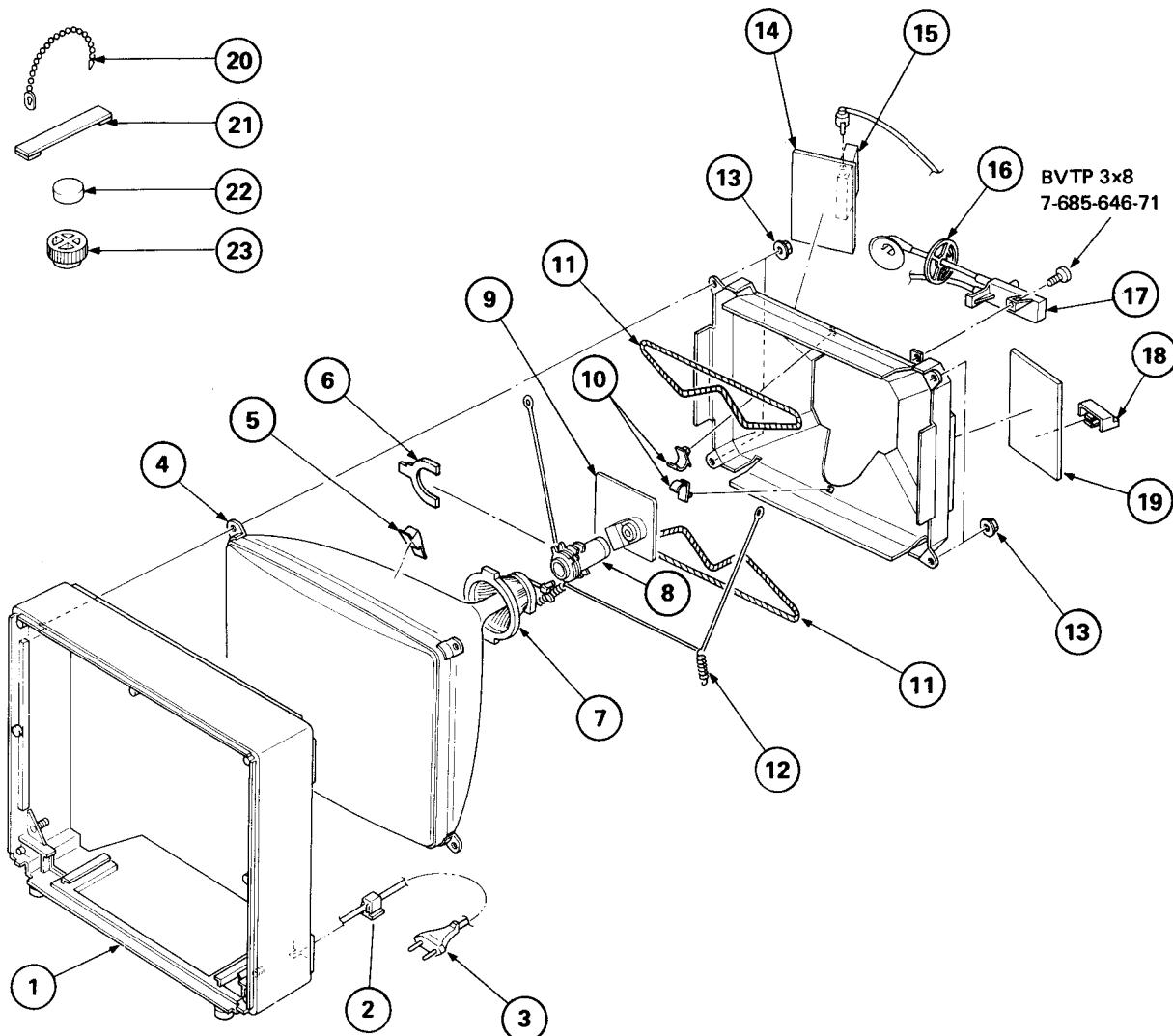
NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

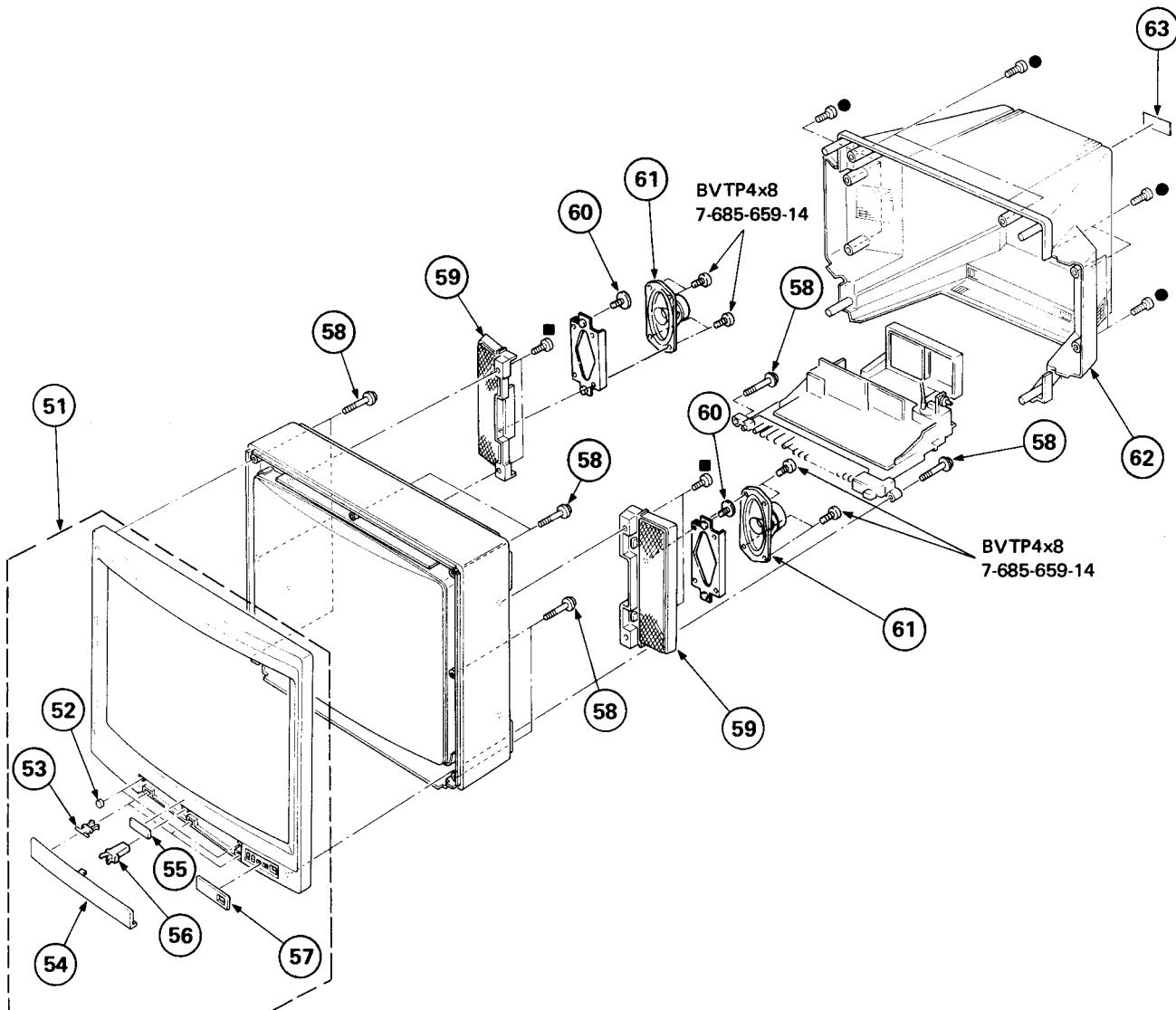
7-1. CRT



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	4-381-118-01	CABINET		13	4-373-210-01	NUT, SPECIAL	
2	Δ 4-022-115-01	HOLDER, AC CORD		14	*A-1296-140-A	A BOARD, COMPLETE	
3	Δ 1-551-270-11	CORD, POWER		15	Δ 1-463-523-11	TUNER, ET (UHF/VHF) (UV417)	
4	Δ 8-736-653-05	CRT (A64JKJ60X)		16	*4-369-234-01	HOLDER, HV CABLE	
5	3-703-003-00	SPACER, DY		17	Δ 1-226-544-11	RESISTOR ASSY, HIGH-VOLTAGE	
6	1-452-146-21	MAGNET, BMC		18	*4-375-709-01	COVER, FUSE	
7	Δ 1-451-255-22	DEFLECTION YOKE (SY-164)		19	*A-1245-329-A	F BOARD, COMPLETE	
8	Δ 1-452-391-11	NECK ASSY, CRT (NA305)		20	4-308-870-00	CLIP, LEAD WIRE	
9	*A-1330-706-A	C BOARD, COMPLETE		21	X-4308-815-0	PERMALLOY ASSY, CONVERGENCE	
10	*4-371-629-01	STOPPER, WIRE		22	1-452-032-00	MAGNET, DISK; 10MM ϕ	
11	Δ 1-426-278-11	COIL, DEMAGNETIZATION		23	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ	
12	4-303-774-XX	SPRING					

7-2. BEZEL

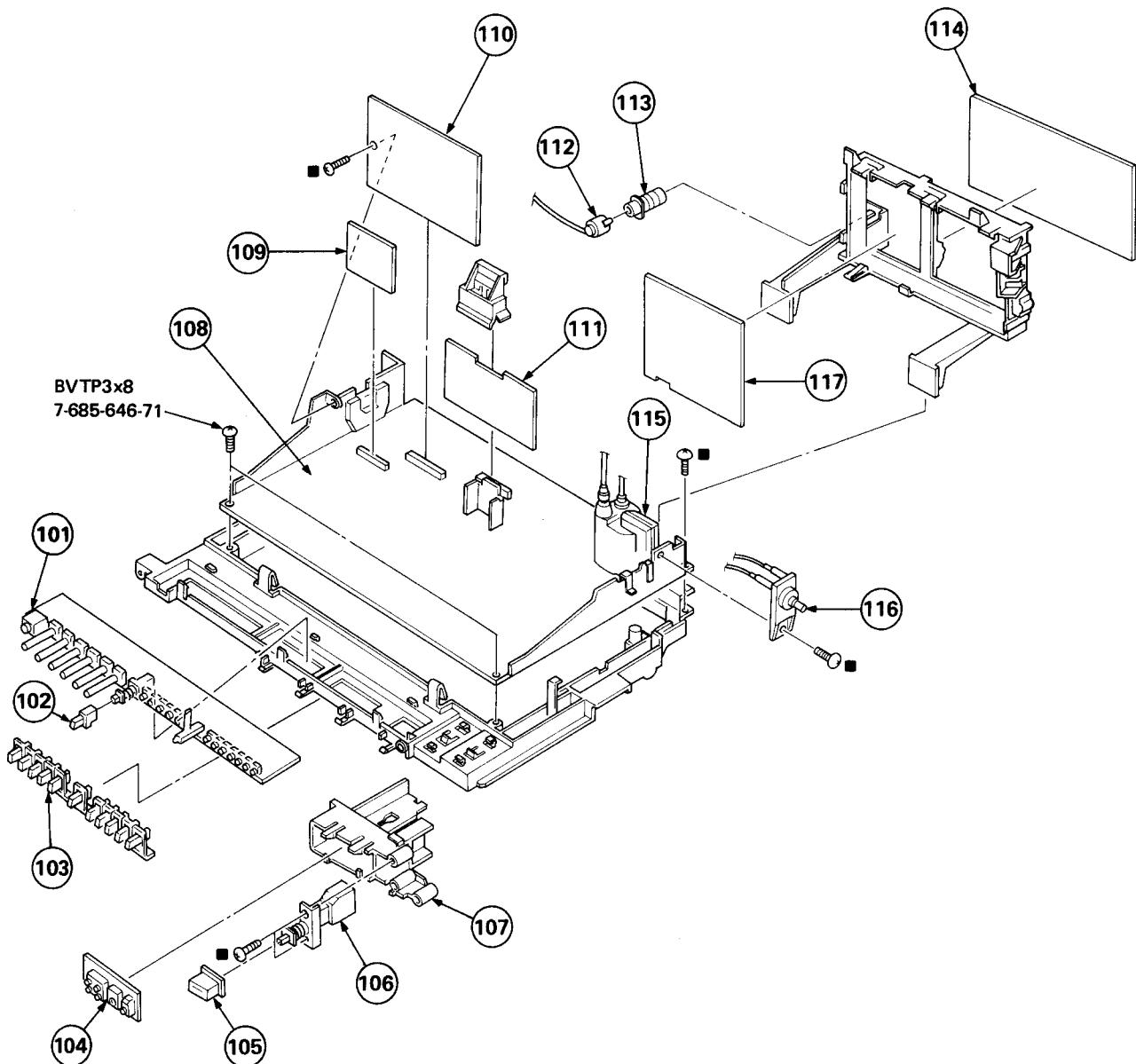
- : BVTP4x16 7-685-663-71
- : BVTP3x12 7-685-648-71



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
51	X-4374-150-2	BEZEL ASSY (KV-27XRTD ONLY)	51-57	57	*4-380-653-01	WINDOW, ORNAMENTAL	
	X-4374-150-1	BEZEL ASSY (KV-27XRD ONLY)	51-57	58	4-319-520-00	SCREW, SPECIAL (+PW4X30)	
52	*4-314-871-00	CUSHION		59	X-4374-146-1	PANEL ASSY, SPEAKER	
53	3-662-365-00	SHAFT (S), DOOR		60	4-314-843-00	SCREW, TAPPING, +4X12	
54	4-381-111-21	DOOR (KV-27XRTD ONLY)		61	1-503-642-11	SPEAKER	
	4-381-111-11	DOOR (KV-27XRD ONLY)		62	4-381-116-01	COVER, REAR	
55	*4-374-115-01	EMBLEM, SONY		63	*4-382-044-01	LABEL (B), COMBINATION (KV-27XRTD ONLY)	
56	4-374-714-01	CATCH, PUSH			*4-380-693-01	LABEL (B), COMBINATION (KV-27XRD ONLY)	

7-3. CHASSIS

■ : BVTP3x12 7-685-648-71



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
101	*1-617-747-11	H1 BOARD		110	*A-1345-612-A	D2 BOARD, COMPLETE	
102	4-376-524-01	BUTTON, (STEREO/MONO)		111	*A-1340-808-A	D1 BOARD, COMPLETE	
103	4-380-644-01	BUTTON (COMPLETE), MULTI		112	*1-558-539-21	CABLE, P-P	
104	*1-617-746-11	H2 BOARD		113	1-563-204-11	SOCKET, ANTENNA (PAL/SECAM)	
105	4-380-624-01	BUTTON, POWER		114	*A-1371-210-A	J1 BOARD, COMPLETE	
106	▲1-554-762-21	SWITCH, PUSH (AC POWER)(1 KEY)		115	▲1-439-332-42	TRANSFORMER ASSY, FLYBACK	
107	*4-380-623-01	BRACKET, POWER SWITCH		116	▲1-237-280-11	RESISTOR ASSY, HIGH-VOLTAGE	
108	*A-1345-614-A	D BOARD, COMPLETE		117	*A-1325-023-A	V BOARD, COMPLETE (KV-27XRTD ONLY)	
109	*1-618-128-11	D3 BOARD					

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

SECTION 8

ELECTRICAL PARTS LIST

F

NOTE:

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

When indicating parts by reference number, please include the board name.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS

• MF : μF , PF : $\mu\mu F$

RESISTORS

11 resistors are in ohms

COILS

• MMH : mH, VH : μ H

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
	*A-1245-329-A	F BOARD, COMPLETE				C668	1-110-190-81	MYLAR	0.01MF	10%	400V
<u>CAPACITOR</u>											
C601	△ 1-117-121-51	PAPER	0.22MF	20%	250V	C669	1-102-038-00	CERAMIC	0.001MF	500V	
C602	△ 1-117-121-51	PAPER	0.22MF	20%	250V	C670	1-101-004-00	CERAMIC	0.01MF	50V	
C603	1-162-578-00	CERAMIC	0.0047MF	20%	400V	<u>DIODE</u>					
C604	1-162-578-00	CERAMIC	0.0047MF	20%	400V	D601	8-719-503-06	DIODE	S3WB60Z		
C605	△ 1-162-578-00	CERAMIC	0.0047MF	20%	400V	D602	8-719-100-65	DIODE	RD12E-B2		
C606	△ 1-162-578-00	CERAMIC	0.0047MF	20%	400V	D603	8-719-815-55	DIODE	1S1555		
C607	△ 1-161-964-61	CERAMIC	0.0047MF	250V		D604	8-759-157-40	IC	UPC574J		
C608	△ 1-161-964-61	CERAMIC	0.0047MF	250V		D605	8-719-924-06	DIODE	ERC24-06S		
C609	△ 1-161-964-61	CERAMIC	0.0047MF	250V		D606	8-719-815-55	DIODE	1S1555		
C610	1-125-318-00	ELECT(BLOCK)	220MF	20%	400V	D607	8-719-815-55	DIODE	1S1555		
C611	1-110-175-81	MYLAR	0.1MF	10%	100V	D608	8-719-815-55	DIODE	1S1555		
C612	1-106-180-00	MYLAR	0.0022MF	5%	50V	D609	8-719-305-15	DIODE	GH3F		
C613	1-123-356-00	ELECT	10MF	20%	16V	D651	8-719-928-08	DIODE	ERD28-06S		
C614	1-123-356-00	ELECT	10MF	20%	16V	D652	8-719-924-06	DIODE	ERC24-06S		
C615	1-102-106-00	CERAMIC	100PF	10%	50V	D653	8-719-924-06	DIODE	ERC24-06S		
C616	1-123-369-00	ELECT	4.7MF	20%	25V	D654	8-719-300-59	DIODE	CTU-12S		
C617	1-110-186-81	MYLAR	0.0047MF	10%	400V	D655	8-719-000-12	DIODE	MC931		
C618	1-102-030-00	CERAMIC	330PF	10%	500V	D656	8-719-300-59	DIODE	CTU-12S		
C619	1-110-182-81	MYLAR	0.022MF	10%	250V	D657	8-719-924-06	DIODE	ERC24-06S		
C620	1-123-332-00	ELECT	47MF	20%	16V	D658	8-719-102-74	DIODE	RD6.2E-N2		
C621	1-136-065-00	FILM	0.0027MF	3%	2KV	D659	8-719-102-70	DIODE	RD5.6E-N1		
C622	1-123-385-00	ELECT	22MF	20%	100V	D660	8-719-915-55	DIODE	1S1555		
C623	1-161-973-00	CERAMIC	220PF	10%	400V	D661	8-719-915-55	DIODE	1S1555		
C624	1-161-973-00	CERAMIC	220PF	10%	400V	<u>CONNECTOR</u>					
C625	1-123-380-00	ELECT	1MF	20%	50V	F1	*1-506-349-21	3P PLUG (L)			
C627	1-123-380-00	ELECT	1MF	20%	50V	F2	*1-508-765-00	3P PLUG (M)			
C628	1-106-180-00	MYLAR	0.0022MF	5%	50V	F3	*1-508-786-00	2P PLUG (M)			
C629	1-102-038-00	CERAMIC	0.001MF	500V	F4	*1-508-765-00	3P PLUG (M)				
C630	△ 1-117-121-51	PAPER	0.22MF	20%	250V	F5	1-506-108-41	PIN, TERMINAL SV			
C631	1-110-175-81	MYLAR	0.1MF	10%	100V	D662	8-719-924-06	DIODE	ERC24-06S		
C632	1-123-380-00	ELECT	1MF	20%	50V	D663	8-719-102-74	DIODE	RD6.2E-N2		
C633	△ 1-117-121-51	PAPER	0.22MF	20%	250V	D664	8-719-100-65	DIODE	RD12E-B2		
C634	1-110-175-81	MYLAR	0.1MF	10%	100V	<u>FUSE</u>					
C635	△ 1-117-121-51	PAPER	0.22MF	20%	250V	F6	*1-564-880-31	PLUG, CONNECTOR 3P			
C651	1-162-115-00	CERAMIC	330PF	10%	2KV	F7	*1-564-883-11	PLUG, CONNECTOR 6P			
C652	1-124-347-00	ELECT	100MF	20%	160V	<u>FUSE, TIME-LAG 4A</u>					
C653	1-123-364-00	ELECT	1000MF	20%	50V	F601	△ 1-532-350-11	FUSE, TIME-LAG 4A			
C654	1-123-606-00	ELECT	1000MF	20%	25V		1-533-149-00	HOLDER, FUSE; F601			
C655	1-123-606-00	ELECT	1000MF	20%	25V	<u>IC</u>					
C656	1-102-038-00	CERAMIC	0.001MF	500V	IC601	8-759-100-75	IC	UPC1394C			
C657	1-123-380-00	ELECT	1MF	20%	50V	IC602	△ 8-719-800-82	DIODE	TLP581		
C658	1-123-332-00	ELECT	47MF	20%	16V	IC651	8-759-145-58	IC	UPC4558C		
C659	1-102-074-00	CERAMIC	0.001MF	10%	50V	<u>COIL</u>					
C660	1-123-875-91	ELECT	10MF	20%	50V	L601	1-407-365-00	COIL, CHOKE			
C661	1-123-973-00	ELECT	100MF	20%	16V	L651	1-425-613-00	COIL, AIR-CORE, QF TYPE			
C662	1-110-190-81	MYLAR	0.01MF	10%	400V	L652	1-459-585-11	COIL (WITH CORE) (DRUM TYPE)			
C663	1-123-380-00	ELECT	1MF	20%	50V	L653	1-425-613-00	COIL, AIR-CORE, QF TYPE			
C664	1-124-038-00	ELECT	1MF	20%	50V	L654	1-425-613-00	COIL, AIR-CORE, QF TYPE			
C665	1-123-380-00	ELECT	1MF	20%	50V						
C666	1-123-307-00	ELECT	100MF	20%	6.3V						
C667	1-102-121-00	CERAMIC	0.0022MF	10%	50V						

F A

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark	
<u>TRANSISTOR</u>												
Q601	8-729-195-82	TRANSISTOR	2SC2958			R659	1-215-865-11	METAL OXIDE	220	5%	1W	
Q602	8-729-301-00	TRANSISTOR	2SD1497-02			R660	1-216-370-11	METAL OXIDE	1.2	5%	2W	
	4-365-216-00	SPACER, MICA;	Q602			R662	1-215-776-91	METAL	39K	5%	1/6W	
	*4-368-683-01	SPRING;	Q602			R663	1-215-764-91	METAL	12K	5%	1/6W	
Q603	8-729-178-54	TRANSISTOR	2SC2785			R664	1-215-200-00	METAL	100K	5%	1/4W	
Q651	8-729-109-53	TRANSISTOR	2SD795A			R665	1-215-754-91	METAL	4.7K	5%	1/6W	
Q652	8-729-178-54	TRANSISTOR	2SC2785			R666	1-215-144-00	METAL	470	5%	1/4W	
Q653	8-729-178-54	TRANSISTOR	2SC2785			R667	1-215-126-81	METAL	82	5%	1/4W	
						R668	1-215-778-91	METAL	47K	5%	1/6W	
						R669	1-215-752-91	METAL	3.9K	5%	1/6W	
						R670	1-215-746-91	METAL	2.2K	5%	1/6W	
<u>RESISTOR</u>												
R601	A.1-217-328-11	WIREWOUND	2.7	10%	7W	F	<u>VARIABLE RESISTOR</u>					
R602	A.1-244-945-91	CARBON	1M	5%	1/2W		RV651	1-230-627-11	RES, ADJ, CARBON 1K			
R603	A.1-205-758-11	CEMENTED	100	10%	10W	F	RV652	1-230-521-11	RES, ADJ, METAL GLAZE 2.2K			
R604	A.1-247-289-11	CARBON	8.2M	5%	1W		<u>TRANSFORMER</u>					
R605	1-215-798-91	METAL	330K	5%	1/6W		T601	A.1-421-776-11	LFT			
R606	1-215-770-91	METAL	22K	5%	1/6W		T602	A.1-421-592-00	TRANSFORMER, FERRITE			
R608	1-215-746-91	METAL	2.2K	5%	1/6W		T603	1-437-079-00	TRANSFORMER, HORIZONTAL DRIVE			
R609	1-215-871-11	METAL OXIDE	2.2K	5%	1W	F	T605	A.1-421-733-21	SRT			
R611	1-215-774-91	METAL	33K	5%	1/6W		T606	A.1-421-866-11	LFT			
R612	A.1-215-904-51	METAL OXIDE	100K	5%	2W	F	<u>THERMISTOR</u>					
R613	1-215-872-11	METAL OXIDE	3.3K	5%	1W	F	TH601	1-800-944-00	THERMISTOR TH-4700			
R614	1-215-894-11	METAL OXIDE	2.2K	5%	2W	F	TH651	1-800-944-00	THERMISTOR TH-4700			
R615	1-205-793-00	CEMENTED	30K	10%	10W		THP601	A.1-806-387-11	THERMISTOR (POSITIVE)			
R616	1-215-772-91	METAL	27K	5%	1/6W		<u>CONNECTOR</u>					
R621	1-215-762-91	METAL	10K	5%	1/6W		A1	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)			
R622	1-215-770-91	METAL	22K	5%	1/6W		A2	*1-564-883-11	PLUG, CONNECTOR 6P			
R623	1-215-162-00	METAL	2.7K	5%	1/4W		A3	*1-564-890-11	PLUG, CONNECTOR 13P			
R624	1-215-754-91	METAL	4.7K	5%	1/6W		<u>CAPACITOR</u>					
R625	1-215-786-91	METAL	100K	5%	1/6W		C101	1-110-175-81	MYLAR	0.1MF	10%	100V
R626	1-215-150-00	METAL	820	5%	1/4W		C102	1-123-356-00	ELECT	10MF	20%	16V
R627	1-215-722-91	METAL	220	5%	1/6W		C103	1-101-006-00	CERAMIC	0.047MF		50V
R628	1-215-796-91	METAL	270K	5%	1/6W		C104	1-123-356-00	ELECT	10MF	20%	16V
R629	1-215-758-91	METAL	6.8K	5%	1/6W		C105	1-123-356-00	ELECT	10MF	20%	16V
R630	1-215-112-00	METAL	22	5%	1/4W		C106	1-123-323-00	ELECT	470MF	20%	16V
R631	1-205-728-00	CEMENTED	47	10%	7W		C107	1-123-330-00	ELECT	22MF	20%	16V
R632	1-217-192-00	WIREWOUND	0.22	10%	2W	F	C108	1-110-173-81	MYLAR	0.068MF	10%	100V
R633	1-215-794-91	METAL	220K	5%	1/6W		C109	1-110-173-81	MYLAR	0.068MF	10%	100V
R634	1-215-778-91	METAL	47K	5%	1/6W		C110	1-102-963-00	CERAMIC	33PF	5%	50V
R636	1-215-788-91	METAL	120K	5%	1/6W		C111	1-123-318-00	ELECT	33MF	20%	16V
R637	1-215-770-91	METAL	22K	5%	1/6W							
R638	1-215-430-00	METAL	2.4K	1%	1/6W							
R639	1-215-754-91	METAL	4.7K	5%	1/6W							
R640	1-215-192-00	METAL	47K	5%	1/4W							
R641	1-202-613-00	SOLID	47K	10%	1/2W							
R651	1-216-477-11	METAL OXIDE	270	5%	3W	F						
R652	1-216-430-11	METAL OXIDE	390	5%	1W	F						
R653	1-215-754-91	METAL	4.7K	5%	1/6W							
R654	1-216-464-11	METAL OXIDE	18K	5%	2W	F						
R655	1-215-794-91	METAL	220K	5%	1/6W							
R656	1-215-778-91	METAL	47K	5%	1/6W							
R657	1-215-698-91	METAL	22	5%	1/6W							

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

A

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark					
C112	1-102-527-00	CERAMIC	82PF	5%	50V	C171	1-123-318-00	ELECT	33MF	20%	16V	
C113	1-102-510-00	CERAMIC	12PF	5%	50V	C172	1-123-379-00	ELECT	0.47MF	20%	50V	
C115	1-102-852-00	CERAMIC	47PF	5%	50V	C173	1-123-379-00	ELECT	0.47MF	20%	50V	
C116	1-102-125-00	CERAMIC	0.0047MF	10%	50V	C174	1-110-190-81	MYLAR	0.01MF	10%	400V	
C117	1-102-125-00	CERAMIC	0.0047MF	10%	50V	C175	1-110-190-81	MYLAR	0.01MF	10%	400V	
C118	1-102-125-00	CERAMIC	0.0047MF	10%	50V	C176	1-123-332-00	ELECT	47MF	20%	16V	
C119	1-110-175-81	MYLAR	0.1MF	10%	100V	C177	1-123-332-00	ELECT	47MF	20%	16V	
C120	1-102-125-00	CERAMIC	0.0047MF	10%	50V	C179	1-110-179-81	MYLAR	0.22MF	10%	100V	
C122	1-123-330-00	ELECT	22MF	20%	16V	C180	1-110-179-81	MYLAR	0.22MF	10%	100V	
C123	1-101-361-00	CERAMIC	150PF	5%	50V	C182	1-123-307-00	ELECT	100MF	20%	10V	
C124	1-104-069-00	POLYSTYRENE	470PF	5%	50V	C183	1-101-361-00	CERAMIC	150PF	5%	50V	
C125	1-101-361-00	CERAMIC	150PF	5%	50V	C184	1-102-973-00	CERAMIC	100PF	5%	50V	
C126	1-123-318-00	ELECT	33MF	20%	16V	C185	1-103-741-00	POLYSTYRENE	0.0047MF	5%	50V	
C127	1-102-125-00	CERAMIC	0.0047MF	10%	50V	C186	1-123-356-00	ELECT	10MF	20%	16V	
C128	1-101-004-00	CERAMIC	0.01MF			C187	1-110-190-81	MYLAR	0.01MF	10%	400V	
C129	1-101-004-00	CERAMIC	0.01MF			C188	1-102-125-00	CERAMIC	0.0047MF	10%	50V	
C130	1-102-125-00	CERAMIC	0.0047MF	10%	50V	C189	1-123-369-00	ELECT	4.7MF	20%	50V	
C131	1-123-381-00	ELECT	2.2MF	20%	50V	C190	1-110-190-81	MYLAR	0.01MF	10%	400V	
C132	1-102-125-00	CERAMIC	0.0047MF	10%	50V	C191	1-102-816-00	CERAMIC	120PF	5%	50V	
C133	1-102-125-00	CERAMIC	0.0047MF	10%	50V	C192	1-161-319-00	CERAMIC	470PF	10%	50V	
C134	1-102-125-00	CERAMIC	0.0047MF	10%	50V			<u>FILTER</u>				
C135	1-102-525-00	CERAMIC	68PF	5%	50V	CD151	1-404-501-00	DISCRIMINATOR, CERAMIC				
C136	1-102-525-00	CERAMIC	68PF	5%	50V	CF101	1-527-840-00	FILTER, CERAMIC				
C137	1-102-125-00	CERAMIC	0.0047MF	10%	50V	CF102	1-404-134-00	TRAP, CERAMIC (5.5MHZ)				
C138	1-123-380-00	ELECT	1MF	20%	50V	CF151	1-527-839-00	FILTER, CERAMIC				
C139	1-102-125-00	CERAMIC	0.0047MF	10%	50V	SWF101	1-404-438-00	FILTER, SAW				
C140	1-102-125-00	CERAMIC	0.0047MF	10%	50V			<u>DIODE</u>				
C141	1-123-318-00	ELECT	33MF	20%	16V	D101	8-719-911-19	DIODE 1SS119				
C142	1-102-525-00	CERAMIC	68PF	5%	50V	D102	8-719-911-19	DIODE 1SS119				
C143	1-102-934-00	CERAMIC	1PF	0.25PF	50V	D103	8-719-102-71	DIODE RD5.6E-N2				
C144	1-123-609-00	ELECT	0.33MF	20%	50V	D104	8-719-911-19	DIODE 1SS119				
C145	1-102-961-00	CERAMIC	27PF	5%	50V	D105	8-719-911-19	DIODE 1SS119				
C146	1-123-380-00	ELECT	1MF	20%	50V	D108	8-719-911-19	DIODE 1SS119				
C147	1-130-072-00	FILM	0.022MF	2%	100V	D109	8-719-911-19	DIODE 1SS119				
C148	1-110-186-81	MYLAR	0.0047MF	10%	400V	D110	8-719-911-19	DIODE 1SS119				
C150	1-102-520-00	CERAMIC	39PF	5%	50V	D111	8-719-911-19	DIODE 1SS119				
C151	1-101-004-00	CERAMIC	0.01MF			D112	8-719-911-19	DIODE 1SS119				
C152	1-101-004-00	CERAMIC	0.01MF			D152	8-719-911-19	DIODE 1SS119				
C153	1-123-356-00	ELECT	10MF	20%	16V	D153	8-719-911-19	DIODE 1SS119				
C154	1-101-004-00	CERAMIC	0.01MF			D154	8-719-911-19	DIODE 1SS119				
C155	1-123-332-00	ELECT	47MF	20%	16V			<u>IC</u>				
C156	1-123-306-00	ELECT	47MF	20%	10V	IC101	8-759-909-08	IC TDA3541				
C157	1-123-306-00	ELECT	47MF	20%	10V	IC102	8-759-909-54	IC TDA2546A				
C158	1-123-379-00	ELECT	0.47MF	20%	50V	IC103	6-066-720-50	IC TDA2595				
C159	1-102-816-00	CERAMIC	120PF	5%	50V	IC151	8-759-007-54	IC TDA4940				
C160	1-102-125-00	CERAMIC	0.0047MF	10%	50V	IC152	8-759-007-55	IC TDA4944				
C161	1-123-318-00	ELECT	33MF	20%	16V			<u>COIL</u>				
C164	1-108-620-91	MYLAR	0.0033MF	10%	100V	L102	1-404-476-00	COIL, IF				
C165	1-108-620-91	MYLAR	0.0033MF	10%	100V	L103	1-408-399-00	MICRO INDUCTOR 1.5UH				
C167	1-108-620-91	MYLAR	0.0033MF	10%	100V	L104	1-408-406-00	MICRO INDUCTOR 5.6UH				
C168	1-108-620-91	MYLAR	0.0033MF	10%	100V	L105	1-404-477-00	COIL, IF				
C169	1-123-356-00	ELECT	10MF	20%	16V							
C170	1-123-356-00	ELECT	10MF	20%	16V							

A

Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
L106	1-404-493-00	COIL				R131	1-215-762-91	METAL	10K	5%	1/6W
L107	1-404-493-00	COIL				R134	1-215-770-91	METAL	22K	5%	1/6W
L108	1-404-691-11	VIFT				R135	1-215-776-91	METAL	39K	5%	1/6W
L109	1-408-409-00	MICRO INDUCTOR 10UH				R136	1-215-770-91	METAL	22K	5%	1/6W
L110	1-408-406-00	MICRO INDUCTOR 5.6UH				R137	1-215-770-91	METAL	22K	5%	1/6W
L111	1-404-493-00	COIL				R141	1-215-766-91	METAL	15K	5%	1/6W
L113	1-408-226-00	MICRO INDUCTOR 82UH				R142	1-215-786-91	METAL	100K	5%	1/6W
L115	1-408-405-00	MICRO INDUCTOR 4.7UH				R143	1-215-786-91	METAL	100K	5%	1/6W
L116	1-408-406-00	MICRO INDUCTOR 5.6UH				R145	1-215-752-91	METAL	3.9K	5%	1/6W
L117	1-408-428-00	MICRO INDUCTOR 390UH				R146	1-215-184-00	METAL	22K	5%	1/4W
L161	1-408-429-00	MICRO INDUCTOR 470UH				R150	1-215-726-91	METAL	330	5%	1/6W
L171	1-408-602-21	MICRO INDUCTOR 8.2UH				R151	1-215-732-91	METAL	560	5%	1/6W
L172	1-408-421-00	MICRO INDUCTOR 100UH				R152	1-215-776-91	METAL	39K	5%	1/6W
<u>TRANSISTOR</u>						R153	1-215-728-91	METAL	390	5%	1/6W
Q101	8-729-178-54	TRANSISTOR 2SC2785				R154	1-215-714-91	METAL	100	5%	1/6W
Q102	8-729-105-47	TRANSISTOR 2SC2026-L				R155	1-215-770-91	METAL	22K	5%	1/6W
Q105	8-729-117-54	TRANSISTOR 2SA1175				R156	1-215-784-91	METAL	82K	5%	1/6W
Q106	8-729-900-61	TRANSISTOR DTA114ES				R157	1-215-726-91	METAL	330	5%	1/6W
Q107	8-729-900-61	TRANSISTOR DTA114ES				R158	1-215-726-91	METAL	330	5%	1/6W
Q108	8-729-900-61	TRANSISTOR DTA114ES				R159	1-215-754-91	METAL	4.7K	5%	1/6W
Q109	8-729-900-61	TRANSISTOR DTA114ES				R160	1-215-754-91	METAL	4.7K	5%	1/6W
Q151	8-729-178-54	TRANSISTOR 2SC2785				R161	1-215-754-91	METAL	4.7K	5%	1/6W
Q152	8-729-178-54	TRANSISTOR 2SC2785				R162	1-215-754-91	METAL	4.7K	5%	1/6W
Q153	8-729-178-54	TRANSISTOR 2SC2785				R163	1-215-738-91	METAL	1K	5%	1/6W
Q154	8-729-900-89	TRANSISTOR DTC144ES				R171	1-215-766-91	METAL	15K	5%	1/6W
Q157	8-729-900-89	TRANSISTOR DTC144ES				R172	1-215-128-00	METAL	100	5%	1/4W
Q158	8-729-900-89	TRANSISTOR DTC144ES				R174	1-215-788-91	METAL	120K	5%	1/6W
Q175	8-729-178-54	TRANSISTOR 2SC2785				R175	1-215-764-91	METAL	12K	5%	1/6W
<u>RESISTOR</u>						R176	1-215-786-91	METAL	100K	5%	1/6W
R101	1-215-762-91	METAL	10K	5%	1/6W	R178	1-215-762-91	METAL	10K	5%	1/6W
R105	1-215-762-91	METAL	10K	5%	1/6W	R179	1-215-762-91	METAL	10K	5%	1/6W
R106	1-215-750-91	METAL	3.3K	5%	1/6W	R180	1-215-738-91	METAL	1K	5%	1/6W
R107	1-215-164-00	METAL	3.3K	5%	1/4W	R181	1-215-740-91	METAL	1.2K	5%	1/6W
R108	1-215-798-91	METAL	330K	5%	1/6W	R182	1-215-746-91	METAL	2.2K	5%	1/6W
R109	1-215-746-91	METAL	2.2K	5%	1/6W	R183	1-215-738-91	METAL	1K	5%	1/6W
R110	1-215-746-91	METAL	2.2K	5%	1/6W	R184	1-215-736-91	METAL	820	5%	1/6W
R111	1-215-754-91	METAL	4.7K	5%	1/6W	R185	1-215-726-91	METAL	330	5%	1/6W
R112	1-215-744-91	METAL	1.8K	5%	1/6W	R188	1-215-766-91	METAL	15K	5%	1/6W
R113	1-215-752-91	METAL	3.9K	5%	1/6W	R191	1-215-726-91	METAL	330	5%	1/6W
R114	1-215-722-91	METAL	220	5%	1/6W	R192	1-215-726-91	METAL	330	5%	1/6W
R115	1-215-750-91	METAL	3.3K	5%	1/6W	R193	1-215-714-91	METAL	100	5%	1/6W
R116	1-215-730-91	METAL	470	5%	1/6W	<u>VARIABLE RESISTOR</u>					
R117	1-215-710-91	METAL	68	5%	1/6W	RV101	1-230-633-51	RES, ADJ, CARBON 47K			
R118	1-215-724-91	METAL	270	5%	1/6W	RV151	1-230-632-11	RES, ADJ, CARBON 33K			
R120	1-215-778-91	METAL	47K	5%	1/6W	RV171	1-230-633-51	RES, ADJ, CARBON 47K			
R121	1-215-742-91	METAL	1.5K	5%	1/6W						
R122	1-215-762-91	METAL	10K	5%	1/6W						
R125	1-215-736-91	METAL	820	5%	1/6W						
R126	1-215-736-91	METAL	820	5%	1/6W						
R127	1-215-736-91	METAL	820	5%	1/6W						
R129	1-215-810-91	METAL	1M	5%	1/6W						

A **V**

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
<u>TUNER</u>							
TU101A 1-463-523-11 TUNER, ET (UHF/VHF) (UV417)							

*A-1325-023-A	V BOARD, COMPLETE	(KV-27XRTD ONLY)		IC001	8-759-933-45	IC MAB8441P-T060	

<u>CAPACITOR</u>							
C001	1-123-333-00	ELECT	100MF	20%	16V		
C002	1-123-308-00	ELECT	220MF	20%	6.3V		
C003	1-123-309-00	ELECT	330MF	20%	10V		
C004	1-123-332-00	ELECT	47MF	20%	16V		
C005	1-123-333-00	ELECT	100MF	20%	16V		
C006	1-123-321-00	ELECT	220MF	20%	16V		
C007	1-123-356-00	ELECT	10MF	20%	16V		
C008	1-102-951-00	CERAMIC	1.5PF	5%	50V		
C009	1-102-074-00	CERAMIC	0.001MF	10%	50V		
C010	1-102-824-21	CERAMIC	470PF	5%	50V		
C011	1-110-182-81	MYLAR	0.022MF	10%	250V		
C012	1-102-980-00	CERAMIC	270PF	5%	50V		
C013	1-102-973-00	CERAMIC	100PF	5%	50V		
C014	1-102-951-00	CERAMIC	1.5PF	5%	50V		
C015	1-102-961-00	CERAMIC	27PF	5%	50V		
C016	1-110-190-81	MYLAR	0.01MF	10%	400V		
C017	1-110-171-81	MYLAR	0.047MF	10%	100V		
C018	1-102-953-00	CERAMIC	18PF	5%	50V		
C019	1-110-171-81	MYLAR	0.047MF	10%	100V		
C020	1-102-978-00	CERAMIC	220PF	5%	50V		
C021	1-110-173-81	MYLAR	0.068MF	10%	100V		
C022	1-102-961-00	CERAMIC	27PF	5%	50V		
C023	1-102-961-00	CERAMIC	27PF	5%	50V		
C024	1-123-307-00	ELECT	100MF	20%	10V		
C025	1-123-306-00	ELECT	47MF	20%	10V		
C027	1-102-820-00	CERAMIC	330PF	5%	50V		
C028	1-102-116-00	CERAMIC	680PF	10%	50V		
C029	1-123-369-00	ELECT	4.7MF	20%	25V		
C051	1-110-175-81	MYLAR	0.1MF	10%	100V		
C052	1-110-175-81	MYLAR	0.1MF	10%	100V		
C053	1-110-175-81	MYLAR	0.1MF	10%	100V		
C054	1-110-175-81	MYLAR	0.1MF	10%	100V		
C055	1-110-175-81	MYLAR	0.1MF	10%	100V		
C056	1-110-175-81	MYLAR	0.1MF	10%	100V		
C058	1-123-356-00	ELECT	10MF	20%	16V		
<u>TRIMMER</u>							
CT001	1-141-181-11	CAP, TRIMMER					
<u>DIODE</u>							
D001	8-719-100-35	DIODE RD5.6E-B2					
D002	8-719-100-68	DIODE RD13E-B2					
D003	8-719-911-19	DIODE 1SS119					
D004	8-719-100-19	DIODE RD3.6E-B2					
D008	8-719-102-78	DIODE RD6.8E-N2					
D009	8-719-102-71	DIODE RD5.6E-N2					
<u>IC</u>							
IC001	8-759-933-45	IC MAB8441P-T060					
IC002	8-759-918-54	IC SAA5230					
IC003	8-759-918-56	IC SAA5240A					
	*1-526-722-00	SOCKET, IC 40P; IC003					
IC004	8-759-206-27	IC TC5564PL-15					
<u>COIL</u>							
L001	1-408-411-00	MICRO INDUCTOR 15UH					
L002	1-410-328-11	MICRO INDUCTOR 10UH					
<u>TRANSISTOR</u>							
Q001	8-729-109-53	TRANSISTOR 2SD795A					
Q002	8-729-805-13	TRANSISTOR 2SC1475-13					
Q003	8-729-178-54	TRANSISTOR 2SC2785					
Q004	8-729-178-54	TRANSISTOR 2SC2785					
Q005	8-729-805-13	TRANSISTOR 2SC1475-13					
<u>RESISTOR</u>							
R001	1-247-745-11	CARBON	330	5%	1/2W		
R002	1-215-762-91	METAL	10K	5%	1/6W		
R003	1-215-778-91	METAL	47K	5%	1/6W		
R004	1-215-867-00	METAL OXIDE	470	5%	1W		
R005	1-215-714-91	METAL	100	5%	1/6W		
R006	1-215-738-91	METAL	1K	5%	1/6W		
R007	1-215-714-91	METAL	100	5%	1/6W		
R008	1-215-726-91	METAL	330	5%	1/6W		
R009	1-215-780-91	METAL	56K	5%	1/6W		
R011	1-215-754-91	METAL	4.7K	5%	1/6W		
R012	1-215-754-91	METAL	4.7K	5%	1/6W		
R013	1-215-714-91	METAL	100	5%	1/6W		
R014	1-215-714-91	METAL	100	5%	1/6W		
R015	1-215-810-91	METAL	1M	5%	1/6W		
R016	1-215-744-91	METAL	1.8K	5%	1/6W		
R017	1-215-738-91	METAL	1K	5%	1/6W		
R018	1-215-754-91	METAL	4.7K	5%	1/6W		
R019	1-215-730-91	METAL	470	5%	1/6W		
R020	1-215-756-91	METAL	5.6K	5%	1/6W		
R021	1-215-746-91	METAL	2.2K	5%	1/6W		
R022	1-215-746-91	METAL	2.2K	5%	1/6W		
R023	1-215-738-91	METAL	1K	5%	1/6W		
R024	1-215-746-91	METAL	2.2K	5%	1/6W		
R025	1-215-754-91	METAL	4.7K	5%	1/6W		

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

V **C**

<u>Ref.No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>Ref.No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>				
R026	1-215-762-91	METAL	10K 5% 1/6W	C708	1-102-116-00	CERAMIC	680PF 10% 50V				
R027	1-215-702-91	METAL	33 5% 1/6W	C709	1-102-116-00	CERAMIC	680PF 10% 50V				
R028	1-215-702-91	METAL	33 5% 1/6W	C710	1-102-116-00	CERAMIC	680PF 10% 50V				
R029	1-215-702-91	METAL	33 5% 1/6W	C713	1-102-953-00	CERAMIC	18PF 5% 50V				
R030	1-215-130-00	METAL	120 5% 1/4W	C714	1-102-947-00	CERAMIC	10PF 5% 50V				
R031	1-215-130-00	METAL	120 5% 1/4W	C715	1-102-947-00	CERAMIC	10PF 5% 50V				
R032	1-215-130-00	METAL	120 5% 1/4W	C716	1-123-382-00	ELECT	3.3MF 20% 50V				
R033	1-215-712-91	METAL	82 5% 1/6W	C717	1-123-356-00	ELECT	10MF 20% 16V				
R034	1-215-738-91	METAL	1K 5% 1/6W	C718	1-101-006-00	CERAMIC	0.047MF 50V				
R037	1-215-714-91	METAL	100 5% 1/6W	C719	1-102-963-00	CERAMIC	33PF 5% 50V				
R038	1-215-736-91	METAL	820 5% 1/6W	C720	1-102-963-00	CERAMIC	33PF 5% 50V				
R040	1-215-754-91	METAL	4.7K 5% 1/6W	C721	1-102-963-00	CERAMIC	33PF 5% 50V				
R041	1-215-730-91	METAL	470 5% 1/6W	C722	1-110-175-81	MYLAR	0.1MF 10% 100V				
R043	1-215-746-91	METAL	2.2K 5% 1/6W	C751	1-101-361-00	CERAMIC	150PF 5% 50V				
R044	1-215-730-91	METAL	470 5% 1/6W	C752	1-108-617-91	MYLAR	0.0018MF 10% 100V				
R045	1-215-738-91	METAL	1K 5% 1/6W	C753	1-110-190-81	MYLAR	0.01MF 10% 400V				
R046	1-215-690-91	METAL	10 5% 1/6W	C754	1-102-980-00	CERAMIC	270PF 5% 50V				
R047	1-215-778-91	METAL	47K 5% 1/6W	C757	1-110-175-81	MYLAR	0.1MF 10% 100V				
<u>VARIABLE RESISTOR</u>											
RV001	1-230-628-11	RES, ADJ, CARBON 2.2K		C761	1-101-006-00	CERAMIC	0.047MF 50V				
<u>CONNECTOR</u>											
V1	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P		D701	8-719-911-19	DIODE	1SS119				
V2	*1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P		D702	8-719-911-19	DIODE	1SS119				
V3	*1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P		D703	8-719-911-19	DIODE	1SS119				
V4	*1-560-123-00	PLUG, CONNECTOR (2.5MM PITCH)		D704	8-719-911-19	DIODE	1SS119				
V5	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)		D705	8-719-911-19	DIODE	1SS119				
<u>CRYSTAL</u>											
X001	1-567-162-00	OSCILLATOR, CRYSTAL		D706	8-719-911-19	DIODE	1SS119				
X002	1-567-495-11	OSCILLATOR, CRYSTAL		D708	8-719-911-19	DIODE	1SS119				
X003	1-567-192-11	OSCILLATOR, CERAMIC		D709	8-719-911-19	DIODE	1SS119				

<u>*A-1330-706-A C BOARD, COMPLETE</u>											

<u>CONNECTOR</u>											
C1	*1-506-349-21	3P PLUG (L)		L701	1-408-420-00	MICRO INDUCTOR	82UH				
C2	*1-564-880-31	PLUG, CONNECTOR 3P		L702	1-410-361-11	MICRO INDUCTOR	12UH				
C3	*1-508-766-00	4P PLUG (M)		L703	1-410-511-11	MICRO INDUCTOR	15UH				
C4	*1-564-884-11	PLUG, CONNECTOR 7P		L704	1-410-511-11	MICRO INDUCTOR	15UH				
C5	*1-564-879-21	PLUG, CONNECTOR 2P		L751	1-408-413-00	MICRO INDUCTOR	22UH				
C6	*1-508-784-00	1P PLUG		<u>TRANSISTOR</u>							
<u>CAPACITOR</u>											
C701	1-123-947-00	ELECT	10MF 20% 250V	Q701	8-729-802-47	TRANSISTOR	2SC3504				
C702	1-123-356-00	ELECT	10MF 20% 16V	Q702	8-729-802-47	TRANSISTOR	2SC3504				
C703	1-123-356-00	ELECT	10MF 20% 16V	Q703	8-729-802-47	TRANSISTOR	2SC3504				
C704	1-129-714-00	FILM	0.01MF 10% 630V	Q704	8-729-326-11	TRANSISTOR	2SC2611				
C705	1-162-116-00	CERAMIC	680PF 10% 2KV	Q705	8-729-326-11	TRANSISTOR	2SC2611				
				Q706	8-729-326-11	TRANSISTOR	2SC2611				
				Q707	8-729-200-17	TRANSISTOR	2SA1091				
				Q708	8-729-200-17	TRANSISTOR	2SA1091				

C

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Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark						
Q709	8-729-200-17	TRANSISTOR	2SA1091			R750	1-249-405-11	CARBON	100	5%	1/6W						
Q710	8-729-255-12	TRANSISTOR	2SC2551			R751	1-215-740-91	METAL	1.2K	5%	1/6W						
Q711	8-729-255-12	TRANSISTOR	2SC2551			R752	1-215-756-91	METAL	5.6K	5%	1/6W						
Q712	8-729-255-12	TRANSISTOR	2SC2551			R753	1-215-732-91	METAL	560	5%	1/6W						
Q713	8-729-117-54	TRANSISTOR	2SA1175			R754	1-215-772-91	METAL	27K	5%	1/6W						
Q714	8-729-900-36	TRANSISTOR	DTC124ES			R755	1-215-714-91	METAL	100	5%	1/6W						
Q715	8-729-178-54	TRANSISTOR	2SC2785			R756	1-215-742-91	METAL	1.5K	5%	1/6W						
Q751	8-729-378-91	TRANSISTOR	2SD789			R757	1-215-714-91	METAL	100	5%	1/6W						
Q752	8-729-178-54	TRANSISTOR	2SC2785			R758	1-215-722-91	METAL	220	5%	1/6W						
Q753	8-729-103-43	TRANSISTOR	2SB734			R760	1-215-726-91	METAL	330	5%	1/6W						
Q754	8-729-378-91	TRANSISTOR	2SD789			R761	1-215-762-91	METAL	10K	5%	1/6W						
<u>RESISTOR</u>																	
R701	1-215-750-91	METAL	3.3K	5%	1/6W	R762	1-215-802-91	METAL	470K	5%	1/6W						
R702	1-215-748-91	METAL	2.7K	5%	1/6W	R763	1-215-762-91	METAL	10K	5%	1/6W						
R703	1-215-748-91	METAL	2.7K	5%	1/6W	R764	1-249-455-11	CARBON	4.7	5%	1/4W						
R704	1-214-913-00	METAL	100K	1%	1/2W	R765	1-249-455-11	CARBON	4.7	5%	1/4W						
R705	1-214-913-00	METAL	100K	1%	1/2W	R766	1-215-740-91	METAL	1.2K	5%	1/6W						
R706	1-214-913-00	METAL	100K	1%	1/2W	R767	1-215-744-91	METAL	1.8K	5%	1/6W						
R707	1-215-738-91	METAL	1K	5%	1/6W	R768	1-216-449-11	METAL OXIDE	56	5%	2W						
R708	1-215-738-91	METAL	1K	5%	1/6W	R769	1-217-403-00	FUSIBLE	220	5%	1/4W						
R709	1-215-738-91	METAL	1K	5%	1/6W	R770	1-215-762-91	METAL	10K	5%	1/6W						
R710	1-215-774-91	METAL	33K	5%	1/6W	<u>VARIABLE RESISTOR</u>											
R711	1-215-774-91	METAL	33K	5%	1/6W	RV701	1-230-103-00	RES, ADJ, CARBON	2.2K								
R712	1-215-774-91	METAL	33K	5%	1/6W	RV702	1-230-105-00	RES, ADJ, CARBON	3.3K								
R713	1-216-486-00	METAL OXIDE	8.2K	5%	3W	RV703	1-230-641-11	RES, ADJ, METAL GLAZE	2.2M								
R714	1-216-486-00	METAL OXIDE	8.2K	5%	3W	<u>SPARK GAP</u>											
R715	1-216-486-00	METAL OXIDE	8.2K	5%	3W	SG701	1-519-063-XX	DISCHARGING GAP									
R716	1-247-710-11	CARBON	560	5%	1/4W	SG702	1-519-063-XX	DISCHARGING GAP									
R717	1-247-710-11	CARBON	560	5%	1/4W	SG703	1-519-063-XX	DISCHARGING GAP									
R718	1-247-710-11	CARBON	560	5%	1/4W	*****											
R719	1-202-821-11	SOLID	1.8K	10%	1/2W	*A-1340-808-A D1 BOARD, COMPLETE											
R720	1-202-821-11	SOLID	1.8K	10%	1/2W	*****											
R721	1-202-821-11	SOLID	1.8K	10%	1/2W	<u>CAPACITOR</u>											
R722	1-215-734-91	METAL	680	5%	1/6W	C1501	1-110-182-81	MYLAR	0.022MF	10%	250V						
R723	1-215-762-91	METAL	10K	5%	1/6W	C1503	1-110-190-81	MYLAR	0.01MF	10%	400V						
R724	1-215-744-91	METAL	1.8K	5%	1/6W	C1504	1-123-380-00	ELECT	1MF	20%	50V						
R726	1-207-458-00	WIREWOUND	0.39	10%	1/2W	C1505	1-110-187-81	MYLAR	0.0056MF	10%	400V						
R728	1-202-838-00	SOLID	100K	10%	1/2W	C1506	1-123-382-00	ELECT	3.3MF	20%	50V						
R729	1-202-842-91	SOLID	220K	10%	1/2W	C1507	1-123-357-00	ELECT	22MF	20%	50V						
R733	1-214-771-00	METAL	56K	1%	1/4W	C1508	1-123-379-00	ELECT	0.47MF	20%	50V						
R735	1-214-787-00	METAL	270K	1%	1/4W	C1509	1-123-360-00	ELECT	100MF	20%	50V						
R736	1-202-844-00	SOLID	330K	10%	1/2W	C1510	1-123-381-00	ELECT	2.2MF	20%	50V						
R737	1-215-744-91	METAL	1.8K	5%	1/6W	C1511	1-123-380-00	ELECT	1MF	20%	50V						
R738	1-215-744-91	METAL	1.8K	5%	1/6W	C1512	1-110-190-81	MYLAR	0.01MF	10%	400V						
R739	1-215-744-91	METAL	1.8K	5%	1/6W	C1513	1-123-332-00	ELECT	47MF	20%	16V						
R740	1-215-706-91	METAL	47	5%	1/6W	C1514	1-123-330-00	ELECT	22MF	20%	16V						
R741	1-215-750-91	METAL	3.3K	5%	1/6W	C1515	1-123-330-00	ELECT	22MF	20%	16V						
R742	1-215-750-91	METAL	3.3K	5%	1/6W	C1516	1-123-360-00	ELECT	100MF	20%	50V						
R743	1-215-750-91	METAL	3.3K	5%	1/6W	C1517	1-123-382-00	ELECT	3.3MF	20%	50V						
R744	1-215-738-91	METAL	1K	5%	1/6W	C1518	1-110-188-81	MYLAR	0.0068MF	10%	400V						
R745	1-215-722-91	METAL	220	5%	1/6W												
R746	1-215-746-91	METAL	2.2K	5%	1/6W												

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D3 **D2**

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>			<u>Remark</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>			<u>Remark</u>
<u>DIODE</u>											
D1301	8-719-000-12	DIODE	MC931			C321	1-102-074-00	CERAMIC	0.001MF	10%	50V
D1302	8-719-000-12	DIODE	MC931			C322	1-102-679-00	CERAMIC	120PF	5%	50V
D1303	8-719-000-12	DIODE	MC931			C323	1-102-074-00	CERAMIC	0.001MF	10%	50V
D1304	8-719-911-19	DIODE	1SS119			C324	1-101-004-00	CERAMIC	0.01MF		50V
D1305	8-719-911-19	DIODE	1SS119			C325	1-101-004-00	CERAMIC	0.01MF		50V
<u>IC</u>											
IC1301	8-759-913-37	IC	TDA4560			C327	1-102-662-00	CERAMIC	7PF	0.5PF	50V
<u>COIL</u>											
L1301	1-408-423-00	MICRO INDUCTOR	150UH			C328	1-102-662-00	CERAMIC	7PF	0.5PF	50V
<u>TRANSISTOR</u>											
Q1301	8-729-178-54	TRANSISTOR	2SC2785			C329	1-102-662-00	CERAMIC	7PF	0.5PF	50V
<u>RESISTOR</u>											
R1301	1-215-714-91	METAL		100	5%	C330	1-102-662-00	CERAMIC	7PF	0.5PF	50V
R1302	1-215-714-91	METAL		100	5%	C331	1-123-318-00	ELECT	33MF	20%	16V
R1303	1-215-423-00	METAL		1.2K	1%	C332	1-123-321-00	ELECT	220MF	20%	16V
R1304	1-215-772-91	METAL		27K	5%	C333	1-101-361-00	CERAMIC	150PF	5%	50V
R1305	1-215-766-91	METAL		15K	5%	C341	1-102-973-00	CERAMIC	100PF	5%	50V
R1306	1-215-190-00	METAL		39K	5%	C342	1-102-973-00	CERAMIC	100PF	5%	50V
R1307	1-215-776-91	METAL		39K	5%	C343	1-102-531-00	CERAMIC	150PF	5%	50V
<u>CONNECTOR</u>											
CNJ2	*1-562-370-21	CONNECTOR	BOARD TO BOARD	18P		<u>TRIMMER</u>					
CT301	1-141-181-11	CAP, TRIMMER				<u>DIODE</u>					
D306	8-719-000-12	DIODE	MC931			<u>DELAY LINE</u>					
DL301	1-415-187-12	DELAY LINE				<u>IC</u>					
IC301	8-759-915-57	IC	TDA4555			<u>COIL</u>					
BPF301	1-235-835-11	FILTER, BAND PASS				L301	1-404-554-11	COIL			
<u>CAPACITOR</u>											
C301	1-102-980-00	CERAMIC		270PF	5%	L302	1-404-554-11	COIL			
C302	1-102-980-00	CERAMIC		270PF	5%	L303	1-404-554-11	COIL			
C303	1-102-525-00	CERAMIC		68PF	5%	L304	1-408-408-00	MICRO INDUCTOR	8.2UH		
C304	1-102-735-00	CERAMIC		120PF	5%	L305	1-404-554-11	COIL			
C305	1-102-514-00	CERAMIC		22PF	5%	L306	1-408-429-00	MICRO INDUCTOR	47UH		
C306	1-102-514-00	CERAMIC		22PF	5%	L307	1-404-495-00	COIL			
C307	1-102-735-00	CERAMIC		120PF	5%	L309	1-404-495-00	COIL			
C308	1-102-525-00	CERAMIC		68PF	5%	L310	1-408-423-00	MICRO INDUCTOR	150UH		
C309	1-101-004-00	CERAMIC		0.01MF	50V	L312	1-408-423-00	MICRO INDUCTOR	150UH		
C310	1-110-190-81	MYLAR		0.01MF	10%	<u>TRANSISTOR</u>					
C311	1-110-182-81	MYLAR		0.022MF	10%	Q301	8-729-178-54	TRANSISTOR	2SC2785		
C312	1-110-089-11	MYLAR		0.1MF	10%	Q302	8-729-178-54	TRANSISTOR	2SC2785		
C313	1-123-322-00	ELECT		330MF	20%	Q305	8-729-178-54	TRANSISTOR	2SC2785		
C314	1-123-380-00	ELECT		1MF	20%	Q309	8-729-178-54	TRANSISTOR	2SC2785		
C316	1-110-171-81	MYLAR		0.047MF	10%	Q312	8-729-178-54	TRANSISTOR	2SC2785		
C317	1-136-173-00	FILM		0.47MF	5%	Q313	8-729-178-54	TRANSISTOR	2SC2785		
C318	1-101-006-00	CERAMIC		0.047MF	50V	Q315	8-729-178-54	TRANSISTOR	2SC2785		
C320	1-110-182-81	MYLAR		0.022MF	10%	250V					

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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
<u>RESISTOR</u>							

R301	1-215-740-91	METAL	1.2K 5% 1/6W	C001	1-123-380-00	ELECT	1MF 20% 50V
R302	1-215-734-91	METAL	680 5% 1/6W	C002	1-123-369-00	ELECT	4.7MF 20% 50V
R303	1-215-728-91	METAL	390 5% 1/6W	C003	1-123-369-00	ELECT	4.7MF 20% 50V
R304	1-215-728-91	METAL	390 5% 1/6W	C004	1-102-973-00	CERAMIC	100PF 5% 50V
R305	1-215-154-00	METAL	1.2K 5% 1/4W	C005	1-110-175-81	MYLAR	0.1MF 10% 100V
R306	1-215-762-91	METAL	10K 5% 1/6W	C006	1-123-307-00	ELECT	100MF 20% 6.3V
R307	1-214-746-00	METAL	5.1K 1% 1/4W	C007	1-102-820-00	CERAMIC	330PF 5% 50V
R311	1-215-782-91	METAL	68K 5% 1/6W	C009	1-102-978-00	CERAMIC	220PF 5% 50V
R312	1-215-146-00	METAL	560 5% 1/4W	C010	1-102-514-00	CERAMIC	22PF 5% 50V
R313	1-215-770-91	METAL	22K 5% 1/6W	C011	1-102-525-00	CERAMIC	68PF 5% 50V
R315	1-215-778-91	METAL	47K 5% 1/6W	C012	1-123-607-00	ELECT	0.1MF 20% 50V
R317	1-215-786-91	METAL	100K 5% 1/6W	C013	1-102-973-00	CERAMIC	100PF 5% 50V
R318	1-215-742-91	METAL	1.5K 5% 1/6W	C014	1-110-190-81	MYLAR	0.01MF 10% 400V
R319	1-215-724-91	METAL	270 5% 1/6W	C015	1-123-307-00	ELECT	100MF 20% 6.3V
R320	1-215-736-91	METAL	820 5% 1/6W	C016	1-102-129-00	CERAMIC	0.01MF 10% 50V
R321	1-215-738-91	METAL	1K 5% 1/6W	C018	1-123-356-00	ELECT	10MF 20% 50V
R322	1-215-724-91	METAL	270 5% 1/6W	C019	1-123-356-00	ELECT	10MF 20% 50V
R323	1-215-742-91	METAL	1.5K 5% 1/6W	C020	1-123-307-00	ELECT	100MF 20% 6.3V
R324	1-215-714-91	METAL	100 5% 1/6W	C022	1-110-190-81	MYLAR	0.01MF 10% 400V
R325	1-215-774-91	METAL	33K 5% 1/6W	C026	1-110-182-81	MYLAR	0.022MF 10% 250V
R326	1-215-736-91	METAL	820 5% 1/6W	C027	1-102-973-00	CERAMIC	100PF 5% 50V
R327	1-215-776-91	METAL	39K 5% 1/6W	C028	1-102-973-00	CERAMIC	100PF 5% 50V
R328	1-215-744-91	METAL	1.8K 5% 1/6W	C031	1-162-290-31	CERAMIC	470PF 10% 50V
R331	1-215-736-91	METAL	820 5% 1/6W	C032	1-102-129-00	CERAMIC	0.01MF 10% 50V
R332	1-215-736-91	METAL	820 5% 1/6W	C061	1-110-175-81	MYLAR	0.1MF 10% 100V
R334	1-215-190-00	METAL	39K 5% 1/4W	C062	1-101-361-00	CERAMIC	150PF 5% 50V
R349	1-215-714-91	METAL	100 5% 1/6W	C063	1-123-380-00	ELECT	1MF 20% 50V
R352	1-215-190-00	METAL	39K 5% 1/4W	C271	1-123-343-00	ELECT	33MF 20% 25V
R356	1-215-794-91	METAL	220K 5% 1/6W	C273	1-123-359-00	ELECT	47MF 20% 50V
R357	1-215-794-91	METAL	220K 5% 1/6W	C274	1-123-364-00	ELECT	1000MF 20% 50V
R358	1-215-770-91	METAL	22K 5% 1/6W	C275	1-123-343-00	ELECT	33MF 20% 25V
R359	1-215-762-91	METAL	10K 5% 1/6W	C276	1-123-359-00	ELECT	47MF 20% 50V
R360	1-215-778-91	METAL	47K 5% 1/6W	C278	1-123-349-00	ELECT	1000MF 20% 35V
R361	1-215-734-91	METAL	680 5% 1/6W	C279	1-123-343-00	ELECT	33MF 20% 25V
R362	1-215-734-91	METAL	680 5% 1/6W	C280	1-123-349-00	ELECT	1000MF 20% 35V
<u>VARIABLE RESISTOR</u>							

RV301	1-230-624-51	RES, ADJ, CARBON 220		C281	1-123-360-00	ELECT	100MF 20% 50V
<u>COIL</u>							
T301	1-404-584-11	COIL		C282	1-101-005-00	CERAMIC	0.022MF 50V
<u>THERMISTOR</u>							
TH301	1-800-644-00	THERMISTER		C283	1-101-005-00	CERAMIC	0.022MF 50V
<u>CRYSTAL</u>							
X301	1-567-131-00	OSCILLATOR, CRYSTAL		C284	1-102-973-00	CERAMIC	100PF 5% 50V

C285							
C286	1-102-125-00	CERAMIC	0.0047MF 10% 50V	C401	1-123-381-00	ELECT	2.2MF 20% 50V
C287	1-102-125-00	CERAMIC	0.0047MF 10% 50V	C402	1-110-175-81	MYLAR	0.1MF 10% 100V
C403	1-102-816-00	CERAMIC	120PF 5% 50V	C404	1-123-356-00	ELECT	10MF 20% 16V
C405	1-123-380-00	ELECT	1MF 20% 50V	C406	1-131-373-00	TANTALUM	22MF 10% 16V
C407	1-110-182-81	MYLAR	0.022MF 10% 250V	C407	1-110-182-81	MYLAR	0.022MF 10% 250V

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Ref. No.	Part No.	Description		Remark	Ref. No.	Part No.	Description		Remark			
C408	1-102-973-00	CERAMIC	100PF	5%	50V	C526	1-123-323-00	ELECT	470MF	20%	16V	
C409	1-131-344-00	TANTALUM	0.33MF	10%	35V	C527	1-123-336-00	ELECT	470MF	20%	25V	
C410	1-123-369-00	ELECT	4.7MF	20%	50V	C529	1-110-175-81	MYLAR	0.1MF	10%	100V	
C411	1-124-645-11	ELECT	10MF	20%	16V	C530	1-123-321-00	ELECT	220MF	20%	16V	
C412	1-123-381-00	ELECT	2.2MF	20%	50V	C560	1-129-743-00	FILM	0.022MF	10%	400V	
C413	1-110-182-81	MYLAR	0.022MF	10%	250V	C561	1-123-357-00	ELECT	22MF	20%	50V	
C414	1-110-182-81	MYLAR	0.022MF	10%	250V	C562	1-102-030-00	CERAMIC	330PF	10%	500V	
C415	1-123-369-00	ELECT	4.7MF	20%	50V	C563	1-123-931-00	ELECT	3.3MF	20%	160V	
C416	1-124-002-11	ELECT	1MF	20%	50V	C564	1-102-157-00	CERAMIC	560PF	10%	500V	
C417	1-131-344-00	TANTALUM	0.33MF	10%	35V	C565	1-106-182-00	MYLAR	0.0027MF	10%	100V	
C418	1-131-344-00	TANTALUM	0.33MF	10%	35V	C566	1-123-318-00	ELECT	33MF	20%	16V	
C419	1-123-323-00	ELECT	470MF	20%	16V	C567	1-110-116-11	MYLAR	0.068MF	10%	250V	
C420	1-110-182-81	MYLAR	0.022MF	10%	250V	C568	1-123-362-00	ELECT	330MF	20%	50V	
C421	1-110-182-81	MYLAR	0.022MF	10%	250V	C569	1-131-347-00	TANTALUM	1MF	10%	35V	
C422	1-110-182-81	MYLAR	0.022MF	10%	250V	C570	1-123-360-00	ELECT	100MF	20%	50V	
C423	1-101-880-00	CERAMIC	47PF	5%	50V	C571	1-123-380-00	ELECT	1MF	20%	50V	
C424	1-110-182-81	MYLAR	0.022MF	10%	250V	C572	1-123-360-00	ELECT	100MF	20%	50V	
C425	1-110-182-81	MYLAR	0.022MF	10%	250V	C801	1-123-362-00	ELECT	330MF	20%	50V	
C426	1-110-182-81	MYLAR	0.022MF	10%	250V	C802	1-110-171-81	MYLAR	0.047MF	10%	100V	
C427	1-110-179-81	MYLAR	0.22MF	10%	100V	C803	1-110-182-81	MYLAR	0.022MF	10%	250V	
C428	1-110-179-81	MYLAR	0.22MF	10%	100V	C804	1-123-948-00	ELECT	22MF	20%	250V	
C429	1-110-179-81	MYLAR	0.22MF	10%	100V	C805	1-162-114-00	CERAMIC	0.0047MF	20%	2KV	
C430	1-123-318-00	ELECT	33MF	20%	16V	C806	1-110-175-81	MYLAR	0.1MF	10%	100V	
C431	1-123-318-00	ELECT	33MF	20%	16V	C807	1-123-333-00	ELECT	100MF	20%	16V	
C432	1-123-318-00	ELECT	33MF	20%	16V	C808	1-123-333-00	ELECT	100MF	20%	16V	
C433	1-110-190-81	MYLAR	0.01MF	10%	400V	C809	1-123-322-00	ELECT	330MF	20%	16V	
C434	1-123-318-00	ELECT	33MF	20%	16V	C810	1-123-024-00	ELECT	33MF	10%	160V	
C435	1-110-186-81	MYLAR	0.0047MF	10%	400V	C811	1-136-117-00	FILM	2MF	20%	200V	
C436	1-123-318-00	ELECT	33MF	20%	16V	C812	1-123-943-00	ELECT	1MF	20%	250V	
C437	1-102-951-00	CERAMIC	15PF	5%	50V	C813	1-110-190-81	MYLAR	0.01MF	10%	400V	
C438	1-123-321-00	ELECT	220MF	20%	16V	C814	1-110-172-81	MYLAR	0.056MF	10%	100V	
C501	1-123-356-00	ELECT	10MF	20%	50V	C815	1-136-053-00	FILM	1.2MF	5%	200V	
C502	1-110-187-81	MYLAR	0.0056MF	10%	400V	C817	1-136-101-00	FILM	0.022MF	3%	2KV	
C503	1-110-175-81	MYLAR	0.1MF	10%	100V	C818	1-129-721-00	FILM	0.039MF	10%	630V	
C504	1-123-332-00	ELECT	47MF	20%	16V	C819	1-161-754-00	CERAMIC	0.001MF	10%	3KV	
C505	1-130-023-00	FILM	0.0027MF	5%	50V	C820	1-110-192-81	MYLAR	0.015MF	10%	400V	
C506	1-110-175-81	MYLAR	0.1MF	10%	100V	C821	1-102-327-00	CERAMIC	330PF	15%	1.5KV	
C507	1-102-989-00	CERAMIC	68PF	5%	500V	C822	1-102-114-00	CERAMIC	470PF	10%	50V	
C508	1-123-379-00	ELECT	0.47MF	20%	50V	C823	1-110-186-81	MYLAR	0.0047MF	10%	400V	
C509	1-123-323-00	ELECT	470MF	20%	16V	C824	1-102-157-00	CERAMIC	560PF	10%	500V	
C511	1-108-614-91	MYLAR	0.001MF	10%	100V			<u>FILTER</u>				
C512	1-124-013-11	ELECT	100MF	20%	16V	CF001	1-567-686-11	OSCILLATOR, CERAMIC				
C513	1-110-182-81	MYLAR	0.022MF	10%	250V			<u>CONNECTOR</u>				
C514	1-136-171-00	FILM	0.33MF	5%	50V							
C515	1-136-171-00	FILM	0.33MF	5%	50V							
C516	1-101-361-00	CERAMIC	150PF	5%	50V	CNP1	*1-564-346-00	CONNECTOR, BOARD TO BOARD	18P			
C517	1-123-380-00	ELECT	1MF	20%	50V	CNP2	*1-564-346-00	CONNECTOR, BOARD TO BOARD	18P			
C518	1-123-330-00	ELECT	22MF	20%	16V	CNP3	*1-564-346-00	CONNECTOR, BOARD TO BOARD	18P			
C519	1-110-174-81	MYLAR	0.082MF	10%	100V	CNP4	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)				
C520	1-123-379-00	ELECT	0.47MF	20%	50V	D1	*1-564-884-11	PLUG, CONNECTOR 7P				
C521	1-123-369-00	ELECT	4.7MF	20%	50V	D2	*1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P				
C522	1-123-380-00	ELECT	1MF	20%	50V	D3	*1-564-881-11	PLUG, CONNECTOR 4P				
C523	1-110-192-81	MYLAR	0.015MF	10%	400V							

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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D4	*1-564-880-31	PLUG, CONNECTOR 3P		D418	8-719-911-19	DIODE 1SS119	
D5	*1-508-766-00	4P PLUG (M)		D419	8-719-911-19	DIODE 1SS119	
D7	*1-508-765-00	3P PLUG (M)		D421	8-719-102-71	DIODE RD5.6E-N2	
D8	*1-564-883-11	PLUG, CONNECTOR 6P		D422	8-719-911-19	DIODE 1SS119	
D9	*1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P		D423	8-719-911-19	DIODE 1SS119	
D10	*1-560-126-00	PLUG, CONNECTOR (2.5MM PITCH)		D424	8-719-911-19	DIODE 1SS119	
D11	*1-564-887-11	PLUG, CONNECTOR 10P		D425	8-719-911-19	DIODE 1SS119	
D12	*1-564-879-21	PLUG, CONNECTOR 2P		D426	8-719-911-19	DIODE 1SS119	
D13	*1-564-890-11	PLUG, CONNECTOR 13P		D427	8-719-911-19	DIODE 1SS119	
D14	*1-560-123-00	PLUG, CONNECTOR (2.5MM PITCH)		D428	8-719-911-19	DIODE 1SS119	
D15	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P		D501	8-719-911-19	DIODE 1SS119	
D16	*1-564-880-31	PLUG, CONNECTOR 3P		D502	8-719-911-19	DIODE 1SS119	
D17	*1-564-887-11	PLUG, CONNECTOR 10P		D503	8-719-911-19	DIODE 1SS119	
D18	*1-564-885-11	PLUG, CONNECTOR 8P		D504	8-719-911-19	DIODE 1SS119	
D19	*1-508-786-00	2P PLUG (M)		D506	8-719-911-19	DIODE 1SS119	
D20	*1-564-883-11	PLUG, CONNECTOR 6P		D507	8-719-911-19	DIODE 1SS119	
D21	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)		D508	8-719-911-19	DIODE 1SS119	
D25	*1-508-784-00	1P PLUG		D509	8-719-911-19	DIODE 1SS119	
D26	*1-508-786-00	2P PLUG (M)		D510	8-719-911-19	DIODE 1SS119	
DY1	*1-508-765-00	3P PLUG (M)		D511	8-719-911-19	DIODE 1SS119	
DY2	*1-508-765-00	3P PLUG (M)		D560	8-719-924-06	DIODE ERC24-06S	
DY3	*1-508-766-00	4P PLUG (M)		D561	8-719-924-06	DIODE ERC24-06S	
		<u>DIODE</u>		D562	8-719-924-06	DIODE ERC24-06S	
D001	8-719-101-41	DIODE RD3.9E-L2		D563	8-719-924-06	DIODE ERC24-06S	
D002	8-719-911-19	DIODE 1SS119		D564	8-719-911-19	DIODE 1SS119	
D003	8-719-911-19	DIODE 1SS119		D801	8-719-924-06	DIODE ERC24-06S	
D004	8-719-911-19	DIODE 1SS119		D802	8-719-924-06	DIODE ERC24-06S	
D005	8-719-911-19	DIODE 1SS119		D803	8-719-300-65	DIODE ES1F	
D006	8-719-911-19	DIODE 1SS119		D804	8-719-924-06	DIODE ERC24-06S	
D007	8-719-911-19	DIODE 1SS119		D805	8-719-924-06	DIODE ERC24-06S	
D008	8-719-102-71	DIODE RD5.6E-N2		D806	8-719-305-15	DIODE GH3F	
D009	8-719-101-24	DIODE RD39E-B2		D807	8-719-305-15	DIODE GH3F	
D011	8-719-102-71	DIODE RD5.6E-N2		D808	8-719-900-26	DIODE ERD29-08J	
D015	8-719-102-74	DIODE RD6.2E-N1		D809	8-719-931-13	DIODE EQ801-13	
D016	8-719-911-19	DIODE 1SS119				<u>IC</u>	
D017	8-719-911-19	DIODE 1SS119		IC001	8-759-603-96	IC M50436-515SP	
D271	8-719-911-19	DIODE 1SS119		IC002	8-759-603-41	IC M58655P	
D401	8-719-911-19	DIODE 1SS119		IC004	8-759-157-40	IC UPC574J	
D402	8-719-911-19	DIODE 1SS119		IC251	8-749-943-62	IC STK-4362	
D403	8-719-911-19	DIODE 1SS119			*4-368-684-01	SPRING (L); IC251	
D404	8-719-911-19	DIODE 1SS119		IC402	8-759-911-10	IC TDA3505	
D405	8-719-911-19	DIODE 1SS119		IC403	8-759-007-21	MC74HC4053N	
D406	8-719-911-19	DIODE 1SS119		IC404	8-759-007-21	MC74HC4053N	
D407	8-719-911-19	DIODE 1SS119		IC501	8-759-915-46	IC TDA2579	
D408	8-719-911-19	DIODE 1SS119			*4-375-717-01	HEAT SINK, IC; IC501	
D409	8-719-911-19	DIODE 1SS119		IC502	8-759-403-61	IC AN78M12R	
D412	8-719-911-19	DIODE 1SS119				<u>MODULE</u>	
D413	8-719-911-19	DIODE 1SS119		IC401	1-235-534-11	CONTROL MODULE, PICTURE	
D414	8-719-911-19	DIODE 1SS119					
D415	8-719-911-19	DIODE 1SS119					
D416	8-719-911-19	DIODE 1SS119					
D417	8-719-911-19	DIODE 1SS119					

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<u>Ref.No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>Ref.No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>				
<u>COIL</u>											
L001	1-408-413-00	MICRO INDUCTOR 22UH			4-365-216-00	SPACER, MICA; Q803					
L002	1-408-425-00	MICRO INDUCTOR 220UH			*4-368-683-01	SPRING; Q803					
L801	1-459-074-00	COIL, DUST CORE 6.8MMH(HCC)		Q804	8-729-300-90	TRANSISTOR 2SD1497-06					
L802	1-421-329-00	COIL, CHOKE			4-363-414-00	SPACER, MICA; Q804					
L803	1-437-090-00	HDT			*4-368-683-01	SPRING; Q804					
L804	1-408-239-00	MICRO INDUCTOR 4.7MMH		Q805	8-729-168-82	TRANSISTOR 2SC2688					
L805	1-459-224-00	HLC		<u>RESISTOR</u>							
L806	1-459-585-11	COIL (WITH CORE) (DRUM TYPE)		R001	1-215-778-91	METAL	47K	5%	1/6W		
L807	1-407-365-00	COIL, CHOKE		R002	1-215-778-91	METAL	47K	5%	1/6W		
L808	1-407-365-00	COIL, CHOKE		R003	1-215-770-91	METAL	22K	5%	1/6W		
L809	1-407-365-00	COIL, CHOKE		R004	1-215-770-91	METAL	22K	5%	1/6W		
L810	1-421-390-00	COIL, FERRITE (PMC)		R005	1-215-738-91	METAL	1K	5%	1/6W		
<u>TRANSISTOR</u>											
Q001	8-729-177-32	TRANSISTOR 2SD773		R006	1-215-730-91	METAL	470	5%	1/6W		
Q002	8-729-117-54	TRANSISTOR 2SA1175		R007	1-215-730-91	METAL	470	5%	1/6W		
Q003	8-729-900-63	TRANSISTOR DTA124ES		R008	1-215-730-91	METAL	470	5%	1/6W		
Q004	8-729-603-50	TRANSISTOR 2SC403SP		R009	1-215-738-91	METAL	1K	5%	1/6W		
Q005	8-729-117-54	TRANSISTOR 2SA1175		R011	1-215-734-91	METAL	4.7K	5%	1/6W		
Q006	8-729-900-89	TRANSISTOR DTC144ES		R012	1-215-754-91	METAL	4.7K	5%	1/6W		
Q011	8-729-178-54	TRANSISTOR 2SC2785		R013	1-215-770-91	METAL	22K	5%	1/6W		
Q012	8-729-117-54	TRANSISTOR 2SA1175		R014	1-215-176-00	METAL	10K	5%	1/4W		
Q061	8-729-117-54	TRANSISTOR 2SA1175		R015	1-215-178-00	METAL	12K	5%	1/4W		
Q401	8-729-178-54	TRANSISTOR 2SC2785		R016	1-215-184-00	METAL	22K	5%	1/4W		
Q402	8-729-178-54	TRANSISTOR 2SC2785		R017	1-215-774-91	METAL	33K	5%	1/6W		
Q403	8-729-178-54	TRANSISTOR 2SC2785		R018	1-215-772-91	METAL	27K	5%	1/6W		
Q404	8-729-178-54	TRANSISTOR 2SC2785		R019	1-215-774-91	METAL	33K	5%	1/6W		
Q405	8-729-178-54	TRANSISTOR 2SC2785		R020	1-215-756-91	METAL	5.6K	5%	1/6W		
Q406	8-729-900-80	TRANSISTOR DTC114ES		R021	1-215-770-91	METAL	22K	5%	1/6W		
Q407	8-729-178-54	TRANSISTOR 2SC2785		R022	1-215-770-91	METAL	22K	5%	1/6W		
Q408	8-729-900-89	TRANSISTOR DTC144ES		R023	1-215-762-91	METAL	10K	5%	1/6W		
Q409	8-729-900-89	TRANSISTOR DTC144ES		R024	1-215-770-91	METAL	22K	5%	1/6W		
Q410	8-729-900-89	TRANSISTOR DTC144ES		R025	1-215-770-91	METAL	22K	5%	1/6W		
Q411	8-729-178-54	TRANSISTOR 2SC2785		R026	1-215-738-91	METAL	1K	5%	1/6W		
Q412	8-729-178-54	TRANSISTOR 2SC2785		R027	1-215-738-91	METAL	1K	5%	1/6W		
Q413	8-729-178-54	TRANSISTOR 2SC2785		R028	1-215-738-91	METAL	1K	5%	1/6W		
Q501	8-729-117-54	TRANSISTOR 2SA1175		R029	1-215-738-91	METAL	1K	5%	1/6W		
Q502	8-729-178-54	TRANSISTOR 2SC2785		R030	1-215-738-91	METAL	1K	5%	1/6W		
Q504	8-729-117-54	TRANSISTOR 2SA1175		R031	1-215-738-91	METAL	1K	5%	1/6W		
Q505	8-729-178-54	TRANSISTOR 2SC2785		R032	1-215-738-91	METAL	1K	5%	1/6W		
Q507	8-729-178-54	TRANSISTOR 2SC2785		R033	1-215-770-91	METAL	22K	5%	1/6W		
Q508	8-729-900-36	TRANSISTOR DTC124ES		R035	1-215-770-91	METAL	22K	5%	1/6W		
Q509	8-729-900-36	TRANSISTOR DTC124ES		R036	1-215-762-91	METAL	10K	5%	1/6W		
Q560	8-729-169-02	TRANSISTOR 2SC2690A		R037	1-215-738-91	METAL	1K	5%	1/6W		
Q561	8-729-195-82	TRANSISTOR 2SC2958		R038	1-215-738-91	METAL	1K	5%	1/6W		
Q562	8-729-122-02	TRANSISTOR 2SA1220A		R039	1-215-738-91	METAL	1K	5%	1/6W		
Q563	8-729-805-13	TRANSISTOR 2SC1475-13		R040	1-215-738-91	METAL	1K	5%	1/6W		
Q564	8-729-103-43	TRANSISTOR 2SB734		R041	1-215-738-91	METAL	1K	5%	1/6W		
Q801	8-729-805-13	TRANSISTOR 2SC1475-13		R042	1-215-738-91	METAL	1K	5%	1/6W		
Q802	8-729-103-43	TRANSISTOR 2SB734		R043	1-215-738-91	METAL	1K	5%	1/6W		
Q803	8-719-801-06	THYRISTOR S6344G		R044	1-215-738-91	METAL	1K	5%	1/6W		
				R045	1-215-738-91	METAL	1K	5%	1/6W		
				R046	1-215-738-91	METAL	1K	5%	1/6W		
				R047	1-215-738-91	METAL	1K	5%	1/6W		

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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark							
R048	1-215-738-91	METAL		1K	5%	1/6W		R412	1-215-784-91	METAL		82K	5%	1/6W
R049	1-215-754-91	METAL		4.7K	5%	1/6W		R413	1-215-798-91	METAL		330K	5%	1/6W
R050	1-215-128-00	METAL		100	5%	1/4W		R414	1-215-772-91	METAL		27K	5%	1/6W
R052	1-215-900-11	METAL OXIDE		22K	5%	2W	F	R415	1-215-792-91	METAL		180K	5%	1/6W
R053	1-215-726-91	METAL		330	5%	1/6W		R416	1-215-770-91	METAL		22K	5%	1/6W
R054	1-215-387-00	FUSIBLE		10	5%	1/4W	F	R417	1-215-786-91	METAL		100K	5%	1/6W
R055	1-215-730-91	METAL		470	5%	1/6W		R418	1-215-734-91	METAL		680	5%	1/6W
R056	1-215-738-91	METAL		1K	5%	1/6W		R419	1-215-206-81	METAL		180K	5%	1/4W
R057	1-215-762-91	METAL		10K	5%	1/6W		R420	1-215-778-91	METAL		47K	5%	1/6W
R058	1-215-754-91	METAL		4.7K	5%	1/6W		R421	1-215-778-91	METAL		47K	5%	1/6W
R060	1-215-766-91	METAL		15K	5%	1/6W		R422	1-215-154-00	METAL		1.2K	5%	1/4W
R061	1-215-778-91	METAL		47K	5%	1/6W		R423	1-215-710-91	METAL		68	5%	1/6W
R062	1-215-788-91	METAL		120K	5%	1/6W		R424	1-215-463-00	METAL		56K	1%	1/6W
R063	1-215-748-91	METAL		2.7K	5%	1/6W		R425	1-215-756-91	METAL		5.6K	5%	1/6W
R064	1-215-730-91	METAL		470	5%	1/6W		R426	1-215-714-91	METAL		100	5%	1/6W
R065	1-215-774-91	METAL		33K	5%	1/6W		R427	1-215-128-00	METAL		100	5%	1/4W
R066	1-215-786-91	METAL		100K	5%	1/6W		R428	1-215-764-91	METAL		12K	5%	1/6W
R067	1-215-762-91	METAL		10K	5%	1/6W		R429	1-215-200-00	METAL		100K	5%	1/4W
R068	1-215-762-91	METAL		10K	5%	1/6W		R430	1-215-796-91	METAL		270K	5%	1/6W
R070	1-215-136-00	METAL		220	5%	1/4W		R431	1-215-754-91	METAL		4.7K	5%	1/6W
R071	1-215-730-91	METAL		470	5%	1/6W		R432	1-215-152-00	METAL		1K	5%	1/4W
R078	1-215-770-91	METAL		22K	5%	1/6W		R433	1-215-720-91	METAL		180	5%	1/6W
R079	1-215-772-91	METAL		27K	5%	1/6W		R434	1-215-720-91	METAL		180	5%	1/6W
R080	1-215-738-91	METAL		1K	5%	1/6W		R435	1-215-720-91	METAL		180	5%	1/6W
R081	1-215-766-91	METAL		15K	5%	1/6W		R436	1-215-778-91	METAL		47K	5%	1/6W
R082	1-215-754-91	METAL		4.7K	5%	1/6W		R437	1-215-144-00	METAL		470	5%	1/4W
R083	1-215-766-91	METAL		15K	5%	1/6W		R438	1-215-738-91	METAL		1K	5%	1/6W
R084	1-215-750-91	METAL		3.3K	5%	1/6W		R439	1-215-394-00	METAL		75	1%	1/6W
R085	1-215-754-91	METAL		4.7K	5%	1/6W		R440	1-215-394-00	METAL		75	1%	1/6W
R271	1-215-734-91	METAL		680	5%	1/6W		R441	1-215-394-00	METAL		75	1%	1/6W
R272	1-215-734-91	METAL		680	5%	1/6W		R442	1-214-702-00	METAL		75	1%	1/4W
R273	1-215-730-91	METAL		470	5%	1/6W		R443	1-215-802-91	METAL		470K	5%	1/6W
R274	1-215-730-91	METAL		470	5%	1/6W		R444	1-215-802-91	METAL		470K	5%	1/6W
R275	1-215-746-91	METAL		2.2K	5%	1/6W		R445	1-215-802-91	METAL		470K	5%	1/6W
R278	1-249-393-11	CARBON		10	5%	1/6W	F	R447	1-215-744-91	METAL		1.8K	5%	1/6W
R279	1-249-393-11	CARBON		10	5%	1/6W	F	R448	1-215-744-91	METAL		1.8K	5%	1/6W
R280	1-215-786-91	METAL		100K	5%	1/6W		R449	1-215-744-91	METAL		1.8K	5%	1/6W
R281	1-215-762-91	METAL		10K	5%	1/6W		R450	1-215-744-91	METAL		1.8K	5%	1/6W
R284	1-247-107-00	CARBON		100	5%	1/4W	F	R451	1-215-744-91	METAL		1.8K	5%	1/6W
R285	1-215-762-91	METAL		10K	5%	1/6W		R452	1-215-744-91	METAL		1.8K	5%	1/6W
R287	1-215-786-91	METAL		100K	5%	1/6W		R454	1-215-714-91	METAL		100	5%	1/6W
R288	1-215-202-00	METAL		120K	5%	1/4W		R455	1-215-714-91	METAL		100	5%	1/6W
R289	1-215-778-91	METAL		47K	5%	1/6W		R456	1-215-714-91	METAL		100	5%	1/6W
R401	1-215-750-91	METAL		3.3K	5%	1/6W		R457	1-215-738-91	METAL		1K	5%	1/6W
R402	1-215-754-91	METAL		4.7K	5%	1/6W		R458	1-215-738-91	METAL		1K	5%	1/6W
R403	1-215-762-91	METAL		10K	5%	1/6W		R459	1-215-738-91	METAL		1K	5%	1/6W
R404	1-215-752-91	METAL		3.9K	5%	1/6W		R460	1-215-738-91	METAL		1K	5%	1/6W
R405	1-215-730-91	METAL		470	5%	1/6W		R461	1-215-732-91	METAL		560	5%	1/6W
R406	1-215-730-91	METAL		470	5%	1/6W		R464	1-215-152-00	METAL		1K	5%	1/4W
R408	1-215-732-91	METAL		560	5%	1/6W		R465	1-247-711-11	CARBON		680	5%	1/4W
R409	1-215-762-91	METAL		10K	5%	1/6W		R466	1-215-730-91	METAL		470	5%	1/6W
R410	1-215-216-81	METAL		470K	5%	1/4W		R467	1-215-730-91	METAL		470	5%	1/6W
R411	1-215-810-91	METAL		1M	5%	1/6W		R468	1-247-232-00	CARBON		470	5%	1/2W

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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark	
R469	1-215-730-91	METAL	470 5% 1/6W	R572	1-215-766-91	METAL	15K 5% 1/6W	
R501	1-215-722-91	METAL	220 5% 1/6W	R573	1-215-726-91	METAL	330 5% 1/6W	
R502	1-215-748-91	METAL	2.7K 5% 1/6W	R574	1-215-694-91	METAL	15 5% 1/6W	
R503	1-215-730-91	METAL	470 5% 1/6W	R575	1-215-164-00	METAL	3.3K 5% 1/4W	
R504	1-215-182-00	METAL	18K 5% 1/4W	R576	1-215-104-81	METAL	10 5% 1/4W	
R505	1-215-754-91	METAL	4.7K 5% 1/6W	R577	1-216-354-11	METAL OXIDE	2.7 5% 1W F	
R506	1-215-750-91	METAL	3.3K 5% 1/6W	R578	1-212-990-00	FUSIBLE	220 5% 1/2W F	
R507	1-215-752-91	METAL	3.9K 5% 1/6W	R579	1-215-810-91	METAL	1M 5% 1/6W	
R508	1-215-756-91	METAL	5.6K 5% 1/6W	R580	1-249-399-11	CARBON	33 5% 1/6W F	
R509	1-215-722-91	METAL	220 5% 1/6W	R583	1-215-872-11	METAL OXIDE	3.3K 5% 1W F	
R510	1-216-464-11	METAL OXIDE	18K 5% 2W F	R584	1-215-152-00	METAL	1K 5% 1/4W	
R511	1-214-763-00	METAL	27K 1% 1/4W	R585	1-249-382-11	CARBON	1.2 5% 1/6W F	
R513	1-215-790-91	METAL	150K 5% 1/6W	R586	1-249-382-11	CARBON	1.2 5% 1/6W F	
R514	1-215-766-91	METAL	15K 5% 1/6W	R587	1-216-458-11	METAL OXIDE	1.8K 5% 2W F	
R516	1-215-186-00	METAL	27K 5% 1/4W	R588	1-215-790-91	METAL	150K 5% 1/6W	
R517	1-215-746-91	METAL	2.2K 5% 1/6W	R589	1-215-738-91	METAL	1K 5% 1/6W	
R519	1-215-128-00	METAL	100 5% 1/4W	R801	1-247-270-00	CARBON	18K 5% 1/2W	
R522	1-215-764-91	METAL	12K 5% 1/6W	R802	1-249-448-11	CARBON	1.2 5% 1/4W F	
R523	1-215-738-91	METAL	1K 5% 1/6W	R803	1-215-883-11	METAL OXIDE	33 5% 2W F	
R525	1-210-825-00	SOLID	3.3M 5% 1/4W	R804	1-216-379-11	METAL OXIDE	6.8 5% 2W F	
R526	1-210-825-00	SOLID	3.3M 5% 1/4W	R805	1-249-448-11	CARBON	1.2 5% 1/4W F	
R527	1-215-714-91	METAL	100 5% 1/6W	R806	1-215-216-81	METAL	470K 5% 1/4W	
R528	1-215-714-91	METAL	100 5% 1/6W	R807	1-215-869-11	METAL OXIDE	1K 5% 1W F	
R529	1-215-740-91	METAL	1.2K 5% 1/6W	R808	1-202-838-00	SOLID	100K 10% 1/2W	
R530	1-215-728-91	METAL	390 5% 1/6W	R809	1-202-826-00	SOLID	4.7K 10% 1/2W	
R531	1-215-770-91	METAL	22K 5% 1/6W	R810	1-202-818-00	SOLID	1K 10% 1/2W	
R532	1-215-748-91	METAL	2.7K 5% 1/6W	R811	1-217-430-00	FUSIBLE	4.7 5% 1/2W F	
R533	1-215-164-00	METAL	3.3K 5% 1/4W	R812	1-249-448-11	CARBON	1.2 5% 1/4W F	
R534	1-215-461-00	METAL	47K 1% 1/6W	R813	1-217-430-00	FUSIBLE	4.7 5% 1/2W F	
R535	1-215-198-00	METAL	82K 5% 1/4W	R814	1-244-923-00	CARBON	120K 5% 1/2W	
R536	1-215-738-91	METAL	1K 5% 1/6W	R815	1-215-884-11	METAL OXIDE	47 5% 2W F	
R537	1-215-758-91	METAL	6.8K 5% 1/6W	R816	1-215-871-11	METAL OXIDE	2.2K 5% 1W F	
R538	1-215-712-91	METAL	82 5% 1/6W	R817	1-207-678-00	WIREWOUND	10 10% 5W F	
R539	1-215-477-00	METAL	220K 1% 1/6W	R818	1-207-678-00	WIREWOUND	10 10% 5W F	
R540	1-215-744-91	METAL	1.8K 5% 1/6W	R819	1-215-198-00	METAL	82K 5% 1/4W	
R541	1-215-786-91	METAL	100K 5% 1/6W	R820	1-215-710-91	METAL	68 5% 1/6W	
R542	1-215-216-81	METAL	470K 5% 1/4W	R821	1-215-158-00	METAL	1.8K 5% 1/4W	
R543	1-202-463-00	SOLID	2.2M 5% 1/4W	R822	1-247-753-11	CARBON	1.2K 5% 1/2W F	
R544	1-210-825-00	SOLID	3.3M 5% 1/4W	R823	1-216-345-11	METAL OXIDE	0.47 5% 1W F	
R546	1-215-200-00	METAL	100K 5% 1/4W	R824	1-215-886-11	METAL OXIDE	100 5% 2W F	
R549	1-215-738-91	METAL	1K 5% 1/6W	<u>VARIABLE RESISTOR</u>				
R552	1-215-738-91	METAL	1K 5% 1/6W	RV401	1-230-630-11	RES, ADJ, CARBON 10K		
R560	1-247-107-00	CARBON	100 5% 1/4W F	RV402	1-230-630-11	RES, ADJ, CARBON 10K		
R561	1-215-182-00	METAL	18K 5% 1/4W	RV501	1-226-703-00	RES, ADJ, METAL GLAZE 10K		
R562	1-215-869-11	METAL OXIDE	1K 5% 1W F	RV502	1-226-776-00	RES, ADJ, METAL GLAZE 220K		
R563	1-247-690-11	CARBON	15 5% 1/4W F	RV503	1-226-775-00	RES, ADJ, METAL GLAZE 100K		
R564	1-216-350-11	METAL OXIDE	1.2 5% 1W F	RV560	1-230-271-00	RES, ADJ, CARBON 4.7K		
R566	1-216-350-11	METAL OXIDE	1.2 5% 1W F	RV801	1-230-271-00	RES, ADJ, CARBON 4.7K		
R567	1-249-405-11	CARBON	100 5% 1/6W F	SG801	1-519-063-XX	DISCHARGING GAP		
R568	1-215-746-91	METAL	2.2K 5% 1/6W					
R569	1-249-393-11	CARBON	10 5% 1/6W F					
R570	1-215-148-00	METAL	680 5% 1/4W					
R571	1-215-482-00	METAL	360K 1% 1/6W					

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Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark							
<u>TRANSFORMER</u>																		
T801	1-437-090-00	HDT				S1413	1-554-824-11	SWITCH, PUSH (1 KEY)										
T803	1-413-059-00	TRANSFORMER, FERRITE (DFT)				*****												
<u>THERMISTOR</u>												*A-1371-210-A J1 BOARD, COMPLETE						
TH560	1-806-213-00	THERMISTOR				*****												
<u>CAPACITOR</u>												<u>CAPACITOR</u>						
C1401	1-123-356-00	ELECT	10MF	20%	16V	C1201	1-123-379-00	ELECT	0.47MF	20%	50V	C1201	1-123-379-00	ELECT	0.47MF	20%	50V	
<u>CONNECTOR</u>												C1202	1-102-824-21	CERAMIC	470PF	5%	50V	
CN1401	1-507-806-00	JACK				C1203	1-102-824-21	CERAMIC	470PF	5%	50V	C1204	1-123-332-00	ELECT	47MF	20%	16V	
H1	*1-564-886-11	PLUG, CONNECTOR 9P				C1205	1-123-332-00	ELECT	47MF	20%	16V	C1206	1-123-379-00	ELECT	0.47MF	20%	50V	
H2	*1-564-887-11	PLUG, CONNECTOR 10P				C1207	1-102-824-21	CERAMIC	470PF	5%	50V	C1208	1-102-824-21	CERAMIC	470PF	5%	50V	
H3	*1-564-883-11	PLUG, CONNECTOR 6P				C1209	1-123-330-00	ELECT	22MF	20%	16V	C1210	1-123-380-00	ELECT	1MF	20%	50V	
<u>DIODE</u>												C1211	1-123-330-00	ELECT	22MF	20%	16V	
D1401	8-719-812-41	DIODE TLR124				C1212	1-123-380-00	ELECT	1MF	20%	50V	C1213	1-102-824-21	CERAMIC	470PF	5%	50V	
<u>RESISTOR</u>												C1214	1-123-380-00	ELECT	1MF	20%	50V	
R1401	1-215-776-91	METAL	39K	5%	1/6W	C1215	1-102-074-00	CERAMIC	0.001MF	10%	50V	C1216	1-102-824-21	CERAMIC	470PF	5%	50V	
R1402	1-215-770-91	METAL	22K	5%	1/6W	C1217	1-123-380-00	ELECT	1MF	20%	50V	C1218	1-102-074-00	CERAMIC	0.001MF	10%	50V	
R1406	1-215-144-00	METAL	470	5%	1/4W	C1219	1-123-307-00	ELECT	100MF	20%	10V	C1220	1-123-307-00	ELECT	100MF	20%	10V	
R1407	1-215-144-00	METAL	470	5%	1/4W	C1221	1-123-307-00	ELECT	100MF	20%	10V	C1222	1-110-171-81	MYLAR	0.047MF	10%	100V	
R1408	1-215-754-91	METAL	4.7K	5%	1/6W	C1223	1-110-171-81	MYLAR	0.047MF	10%	100V	C1224	1-108-614-91	MYLAR	0.001MF	10%	100V	
R1409	1-215-746-91	METAL	2.2K	5%	1/6W	C1225	1-123-321-00	ELECT	220MF	20%	16V	C1226	1-123-332-00	ELECT	47MF	20%	16V	
<u>VARIABLE RESISTOR</u>												C1227	1-123-307-00	ELECT	100MF	20%	10V	
RV1401	1-230-916-11	RES, VAR, CARBON 10K				C1228	1-110-171-81	MYLAR	0.047MF	10%	100V	C1229	1-108-614-91	MYLAR	0.001MF	10%	100V	
RV1402	1-230-916-11	RES, VAR, CARBON 10K				C1230	1-123-380-00	ELECT	1MF	20%	50V	C1231	1-123-333-00	ELECT	100MF	20%	16V	
RV1403	1-230-916-11	RES, VAR, CARBON 10K				C1232	1-110-184-81	MYLAR	0.033MF	10%	250V	C1233	1-123-379-00	ELECT	0.47MF	20%	50V	
RV1405	1-230-916-11	RES, VAR, CARBON 10K				C1234	1-123-379-00	ELECT	0.47MF	20%	50V	C1235	1-123-381-00	ELECT	2.2MF	20%	50V	
RV1406	1-230-916-11	RES, VAR, CARBON 10K				C1236	1-110-186-81	MYLAR	0.0047MF	10%	400V	C1237	1-123-381-00	ELECT	2.2MF	20%	50V	
<u>SWITCH</u>												C1238	1-110-186-81	MYLAR	0.0047MF	10%	400V	
S1401	1-554-804-11	SWITCH, PUSH (1 KEY)				C1239	1-110-186-81	MYLAR	0.0047MF	10%	400V	C1240	1-110-182-81	MYLAR	0.022MF	10%	250V	
S1402	1-554-804-11	SWITCH, PUSH (1 KEY)				C1241	1-110-182-81	MYLAR	0.022MF	10%	250V	C1242	1-123-380-00	ELECT	1MF	20%	50V	
S1403	1-554-804-11	SWITCH, PUSH (1 KEY)				C1250	1-123-332-00	ELECT	47MF	20%	16V	C1251	1-102-976-00	CERAMIC	180PF	5%	50V	
S1404	1-554-804-11	SWITCH, PUSH (1 KEY)				C1252	1-123-307-00	ELECT	100MF	20%	10V							
S1405	1-554-804-11	SWITCH, PUSH (1 KEY)																
S1406	1-554-804-11	SWITCH, PUSH (1 KEY)																
S1407	1-554-804-11	SWITCH, PUSH (1 KEY)																
S1408	1-554-804-11	SWITCH, PUSH (1 KEY)																
S1409	1-554-804-11	SWITCH, PUSH (1 KEY)																
S1411	1-554-804-11	SWITCH, PUSH (1 KEY)																

J1

Ref. No.	Part No.	Description		Remark		Ref. No.	Part No.	Description		Remark	
C1253	1-123-307-00	ELECT	100MF	20%	10V			<u>COIL</u>			
C1254	1-102-976-00	CERAMIC	180PF	5%	50V	L1201	1-459-407-00	COIL, FERRITE CHOKE			
C1255	1-123-332-00	ELECT	47MF	20%	16V	L1202	1-459-407-00	COIL, FERRITE CHOKE			
C1256	1-110-171-81	MYLAR	0.047MF	10%	100V			<u>TRANSISTOR</u>			
C1257	1-123-332-00	ELECT	47MF	20%	16V	Q1203	8-729-117-54	TRANSISTOR 2SA1175			
C1258	1-123-332-00	ELECT	47MF	20%	16V	Q1204	8-729-178-54	TRANSISTOR 2SC2785			
C1259	1-123-333-00	ELECT	100MF	20%	16V	Q1205	8-729-117-54	TRANSISTOR 2SA1175			
C1260	1-110-182-81	MYLAR	0.022MF	10%	250V	Q1206	8-729-117-54	TRANSISTOR 2SA1175			
C1261	1-110-182-81	MYLAR	0.022MF	10%	250V	Q1207	8-729-900-65	TRANSISTOR DTA144ES			
<u>CONNECTOR</u>											
CN1201	1-561-534-41	SOCKET 21P				Q1208	8-729-178-54	TRANSISTOR 2SC2785			
CN1202	1-561-534-41	SOCKET 21P				Q1209	8-729-117-54	TRANSISTOR 2SA1175			
CN1203	1-536-996-11	TERMINAL BOARD, INPUT/OUTPUT				Q1210	8-729-117-54	TRANSISTOR 2SA1175			
J1	*1-564-899-31	PLUG, CONNECTOR 10P				Q1211	8-729-178-54	TRANSISTOR 2SC2785			
J2	*1-564-897-11	PLUG, CONNECTOR 8P				Q1212	8-729-178-54	TRANSISTOR 2SC2785			
J3	*1-564-895-21	PLUG, CONNECTOR 6P				Q1213	8-729-900-89	TRANSISTOR DTC144ES			
J4	*1-564-891-11	PLUG, CONNECTOR 2P				Q1214	8-729-900-89	TRANSISTOR DTC144ES			
J5	*1-564-891-11	PLUG, CONNECTOR 2P				Q1215	8-729-117-54	TRANSISTOR 2SA1175			
J6	*1-564-895-21	PLUG, CONNECTOR 6P				Q1216	8-729-117-54	TRANSISTOR 2SA1175			
J7	*1-564-894-11	PLUG, CONNECTOR 5P				Q1217	8-729-178-54	TRANSISTOR 2SC2785			
J8	*1-564-895-21	PLUG, CONNECTOR 6P				Q1218	8-729-178-54	TRANSISTOR 2SC2785			
<u>DIODE</u>											
D1201	8-719-102-81	DIODE RD7.5E-N2				Q1219	8-729-900-89	TRANSISTOR DTC144ES			
D1202	8-719-102-81	DIODE RD7.5E-N2				Q1220	8-729-900-89	TRANSISTOR DTC144ES			
D1203	8-719-102-81	DIODE RD7.5E-N2				Q1221	8-729-117-54	TRANSISTOR 2SA1175			
D1204	8-719-102-81	DIODE RD7.5E-N2				Q1222	8-729-900-36	TRANSISTOR DTC124ES			
D1205	8-719-102-81	DIODE RD7.5E-N2				Q1223	8-729-178-54	TRANSISTOR 2SC2785			
D1206	8-719-102-81	DIODE RD7.5E-N2				Q1224	8-729-178-54	TRANSISTOR 2SC2785			
D1207	8-719-000-12	DIODE MC931				<u>RESISTOR</u>					
D1208	8-719-000-12	DIODE MC931				R1201	1-215-802-91	METAL	470K	5%	1/6W
D1209	8-719-815-55	DIODE 1S1555				R1202	1-215-186-00	METAL	27K	5%	1/4W
D1210	8-719-000-12	DIODE MC931				R1203	1-215-778-91	METAL	47K	5%	1/6W
D1211	8-719-000-12	DIODE MC931				R1204	1-215-730-91	METAL	470	5%	1/6W
D1212	8-719-000-12	DIODE MC931				R1205	1-215-778-91	METAL	47K	5%	1/6W
D1213	8-719-102-81	DIODE RD7.5E-N2				R1206	1-215-730-91	METAL	470	5%	1/6W
D1214	8-719-102-81	DIODE RD7.5E-N2				R1207	1-215-762-91	METAL	10K	5%	1/6W
D1215	8-719-000-06	DIODE MC921				R1208	1-215-762-91	METAL	10K	5%	1/6W
D1216	8-719-911-19	DIODE 1SS119				R1209	1-215-712-91	METAL	82	5%	1/6W
D1217	8-719-911-19	DIODE 1SS119				R1210	1-215-712-91	METAL	82	5%	1/6W
D1218	8-719-911-19	DIODE 1SS119				R1211	1-215-802-91	METAL	470K	5%	1/6W
D1219	8-719-911-19	DIODE 1SS119				R1212	1-215-772-91	METAL	27K	5%	1/6W
D1220	8-719-815-55	DIODE 1S1555				R1213	1-215-712-91	METAL	82	5%	1/6W
D1221	8-719-102-97	DIODE RD12E-N2				R1214	1-215-736-91	METAL	820	5%	1/6W
D1222	8-719-102-97	DIODE RD12E-N2				R1215	1-215-772-91	METAL	27K	5%	1/6W
D1223	8-719-911-19	DIODE 1SS119				R1216	1-215-770-91	METAL	22K	5%	1/6W
D1224	8-719-911-19	DIODE 1SS119				R1217	1-215-736-91	METAL	820	5%	1/6W
D1225	8-719-815-55	DIODE 1S1555				R1218	1-215-772-91	METAL	27K	5%	1/6W
<u>IC</u>											
IC1201	8-759-914-76	IC CX20199				R1219	1-215-184-00	METAL	22K	5%	1/4W
IC1202	8-759-145-58	IC UPCA558C				R1220	1-215-778-91	METAL	47K	5%	1/6W
						R1221	1-215-778-91	METAL	47K	5%	1/6W
						R1222	1-215-772-91	METAL	27K	5%	1/6W
						R1223	1-215-772-91	METAL	27K	5%	1/6W

J1

H2

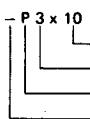
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark				
R1224	1-215-712-91	METAL	82 5% 1/6W	R1279	1-215-144-00	METAL	470 5% 1/4W				
R1225	1-215-128-00	METAL	100 5% 1/4W	R1280	1-215-754-91	METAL	4.7K 5% 1/6W				
R1226	1-215-712-91	METAL	82 5% 1/6W	R1281	1-215-754-91	METAL	4.7K 5% 1/6W				
R1227	1-215-714-91	METAL	100 5% 1/6W	R1282	1-215-762-91	METAL	10K 5% 1/6W				
R1230	1-215-714-91	METAL	100 5% 1/6W	R1283	1-215-786-91	METAL	100K 5% 1/6W				
R1231	1-215-394-00	METAL	75 1% 1/6W	R1284	1-215-168-00	METAL	4.7K 5% 1/4W				
R1232	1-215-762-91	METAL	10K 5% 1/6W	R1285	1-215-730-91	METAL	470 5% 1/6W				
R1233	1-215-762-91	METAL	10K 5% 1/6W	R1286	1-215-730-91	METAL	470 5% 1/6W				
R1234	1-215-772-91	METAL	27K 5% 1/6W	*****							
R1235	1-215-772-91	METAL	27K 5% 1/6W	*1-617-746-11 H2 BOARD							
R1236	1-215-128-00	METAL	100 5% 1/4W	*****							
R1237	1-215-176-00	METAL	10K 5% 1/4W	DIODE							
R1238	1-215-176-00	METAL	10K 5% 1/4W	D01	8-719-800-94	DIODE TLUR144					
R1239	1-215-176-00	METAL	10K 5% 1/4W	D02	*4-380-613-01	HOLDER (A), LED; D01					
R1240	1-247-107-00	CARBON	100 5% 1/4W F	D02	8-719-812-41	DIODE TLR124					
R1241	1-215-168-00	METAL	4.7K 5% 1/4W	D02	*4-337-478-00	HOLDER (F), LED; D02					
R1242	1-215-754-91	METAL	4.7K 5% 1/6W	D03	8-719-812-41	DIODE TLR124					
R1243	1-215-738-91	METAL	1K 5% 1/6W	D03	*4-337-478-00	HOLDER (F), LED; D03					
R1244	1-215-742-91	METAL	1.5K 5% 1/6W	D04	8-719-812-41	DIODE TLR124					
R1245	1-215-810-91	METAL	1M 5% 1/6W	D04	*4-337-478-00	HOLDER (F), LED; D04					
R1246	1-215-762-91	METAL	10K 5% 1/6W	D05	8-719-812-41	DIODE TLR124					
R1247	1-215-742-91	METAL	1.5K 5% 1/6W	D05	*4-337-478-00	HOLDER (F), LED; D05					
R1248	1-215-738-91	METAL	1K 5% 1/6W	D06	8-719-911-19	DIODE ISS119					
R1249	1-215-778-91	METAL	47K 5% 1/6W	D07	8-719-911-19	DIODE ISS119					
R1250	1-215-762-91	METAL	10K 5% 1/6W	IC							
R1251	1-215-168-00	METAL	4.7K 5% 1/4W	IC01	8-741-138-70	IC BX-1387					
R1252	1-215-778-91	METAL	47K 5% 1/6W	*****							
R1253	1-215-778-91	METAL	47K 5% 1/6W	MISCELLANEOUS							
R1254	1-247-698-11	CARBON	68 5% 1/4W F	*****							
R1255	1-215-702-91	METAL	33 5% 1/6W								
R1256	1-215-754-91	METAL	4.7K 5% 1/6W								
R1257	1-215-754-91	METAL	4.7K 5% 1/6W								
R1258	1-215-750-91	METAL	3.3K 5% 1/6W								
R1259	1-215-750-91	METAL	3.3K 5% 1/6W								
R1260	1-247-698-11	CARBON	68 5% 1/4W F								
R1261	1-215-394-00	METAL	75 1% 1/6W								
R1262	1-215-738-91	METAL	1K 5% 1/6W								
R1263	1-215-752-91	METAL	3.9K 5% 1/6W								
R1264	1-215-760-91	METAL	8.2K 5% 1/6W								
R1265	1-215-760-91	METAL	8.2K 5% 1/6W								
R1266	1-215-752-91	METAL	3.9K 5% 1/6W								
R1267	1-215-394-00	METAL	75 1% 1/6W								
R1268	1-215-702-91	METAL	33 5% 1/6W								
R1269	1-215-750-91	METAL	3.3K 5% 1/6W								
R1270	1-215-774-91	METAL	33K 5% 1/6W								
R1271	1-215-774-91	METAL	33K 5% 1/6W								
R1272	1-215-750-91	METAL	3.3K 5% 1/6W								
R1273	1-215-732-91	METAL	560 5% 1/6W								
R1274	1-247-698-11	CARBON	68 5% 1/4W F								
R1275	1-215-750-91	METAL	3.3K 5% 1/6W								
R1276	1-215-752-91	METAL	3.9K 5% 1/6W								
R1277	1-215-104-81	METAL	10 5% 1/4W								
R1278	1-215-762-91	METAL	10K 5% 1/6W								

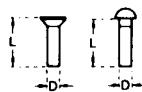
The components identified by shading and mark **▲** are critical for safety. Replace only with part number specified.

ACCESSORIES AND PACKING MATERIALS

<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
A-1470-744-A	COMMANDER ASSY (RM-664)	
X-4374-152-1	CASE ASSY, UPPER	
4-372-838-01	FILTER	
4-374-179-01	COVER, BATTERY	
4-374-183-11	CASE, LOWER	
4-380-646-21	SHEET, SILICON RUBBER	
*4-381-123-01	CUSHION (UPPER) (ASSY)	
*4-381-124-01	CUSHION (LOWER) (ASSY)	
*4-381-125-01	CUSHION (FRONT)	
*4-381-126-01	INDIVIDUAL CARTON	
*4-381-155-01	BAG, PROTECTION	
4-482-253-71	MANUAL, INSTRUCTION	

HARDWARE NOMENCLATURE

Screw: — P 3 x 10

 L: Length in mm
 D: Diameter in mm
 Type of head
 — Indicated slotted-head only.
 Unless otherwise indicated, it means cross-recessed head (Phillips type).



Nut, Washer, Retaining ring:

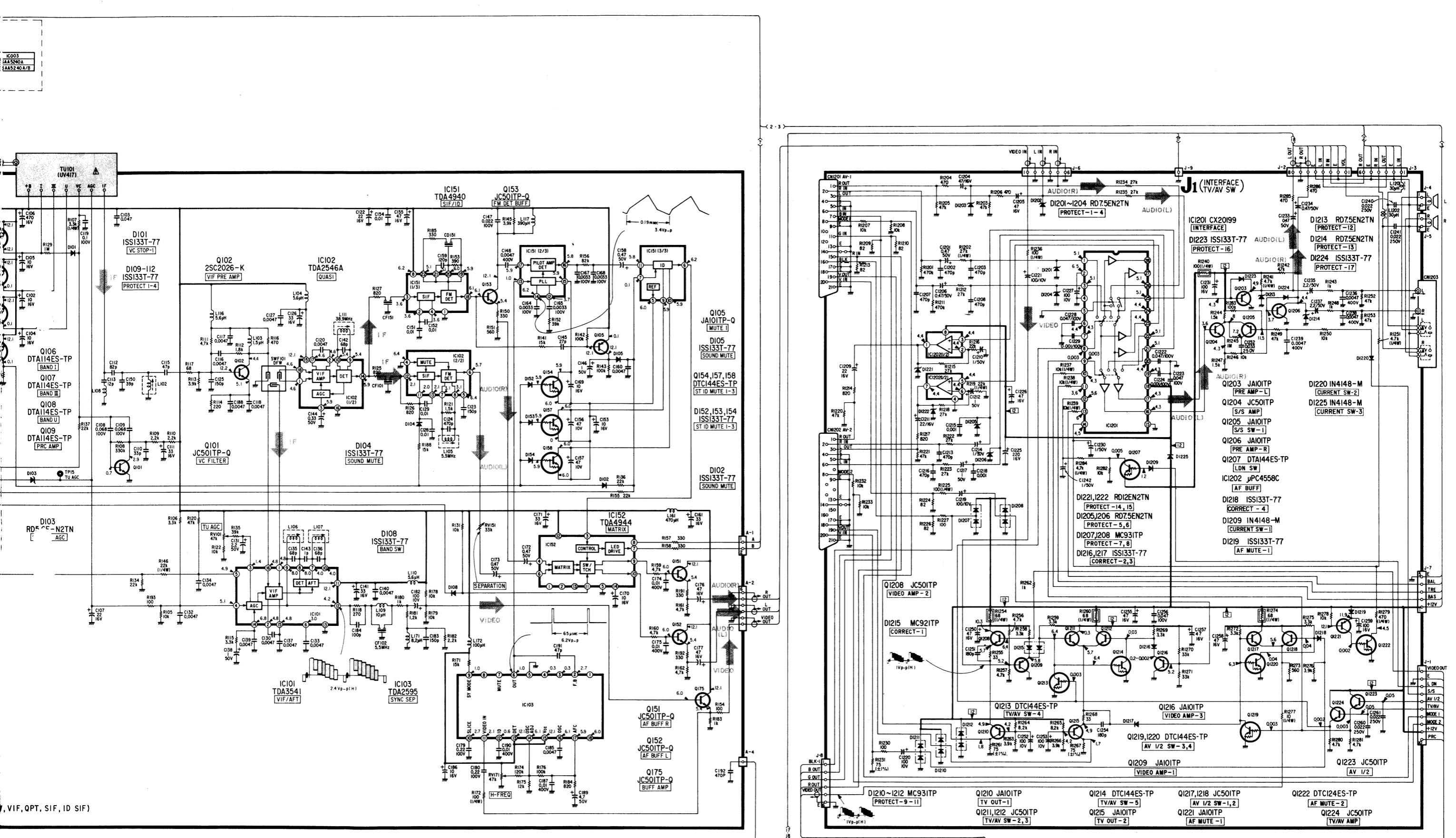
N 3

 Diameter of usable screw or shaft
 Reference designation

Reference Designation	Shape	Description	Remarks
SCREWS			
P		pan-head screw	binding-head (B) screw for replacement
PWH		pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP		pan-head screw with spring washer	binding-head (B) screw and spring washer for replacement
PSW PSPW		pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement
R		round-head screw	binding-head (B) screw for replacement
K		flat-countersunk-head screw	
RK		oval-countersunk-head screw	
B		binding-head screw	
T		truss-head screw	binding-head (B) screw for replacement
F		flat-fillister-head screw	
RF		fillister-head screw	
BV		brazier-head screw	

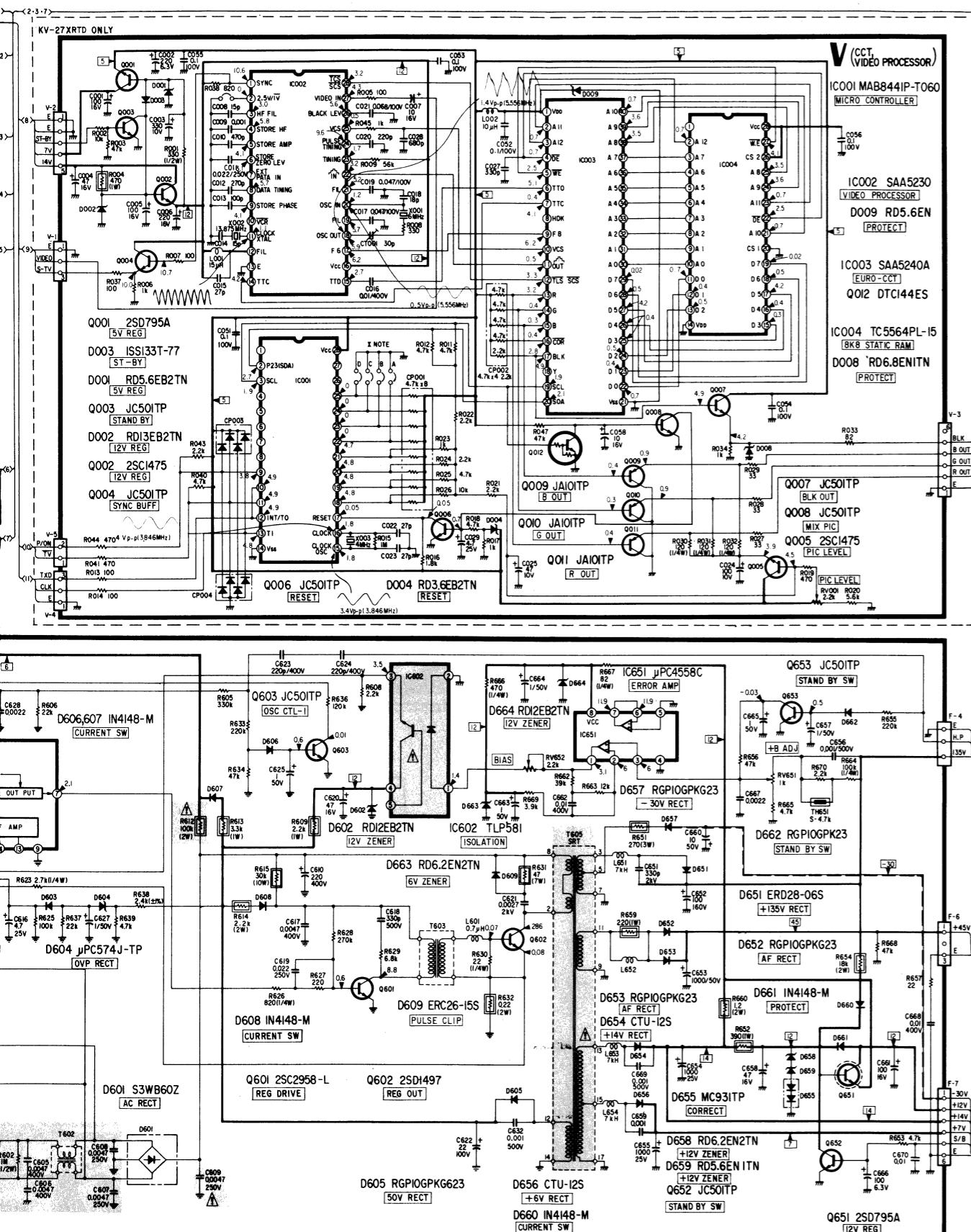
Reference Designation	Shape	Description	Remarks
SELF-TAPPING SCREWS			
TA		self-tapping screw	ex: TA, P 3 x 10
PTP		pan-head self-tapping screw	binding-head self-tapping (TA, B) screw for replacement
PTPWH		pan-head self-tapping screw with washer face	binding-head self-tapping (TA, B) screw and flat washer for replacement
PTTWH		pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement
SET SCREWS			
SC		set screw	
SC		hexagon-socket set screw	ex: SC 2.6 x 4, hexagon socket
NUT			
N		nut	
WASHERS			
W		flat washer	
SW		spring washer	
LW		internal-tooth lock washer	ex: LW3, internal
LW		external-tooth lock washer	ex: LW3, external
RETAINING RINGS			
E		retaining ring	
G		grip-type retaining ring	

KV-27XRD/27XRTD/RM-664



SCHEMATIC DIAGRAM IS KV-27XRTD.

DO NOT USE KV-27XRD.



SONY

TRINITRON® COLOR TV

KV-27XRD/27XRTD

RM-664

AEP Model

KV-27XRD
Chassis No. SCC-784D-A
KV-27XRTD
Chassis No. SCC-784B-A

SX CHASSIS

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

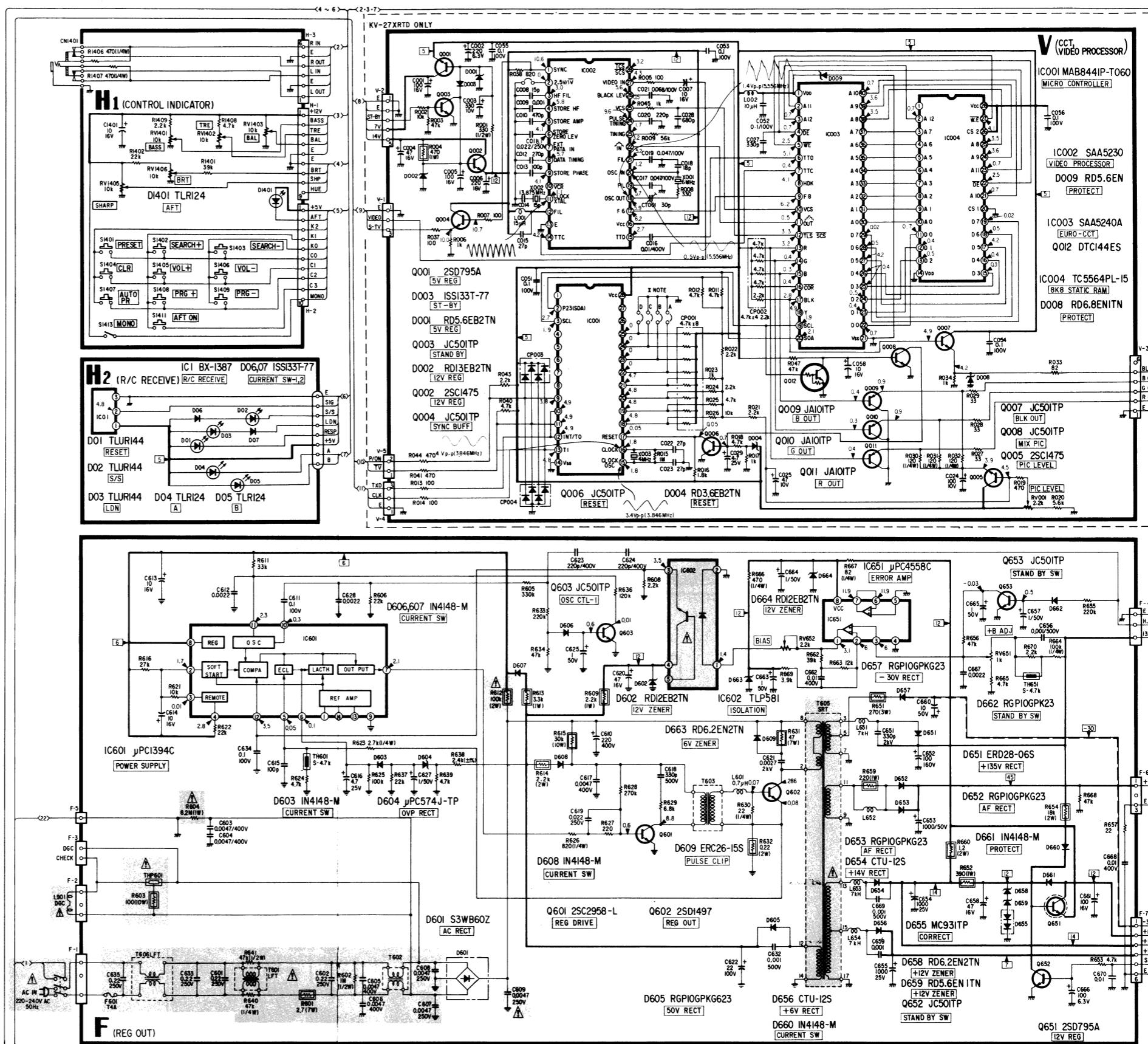
Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Note:

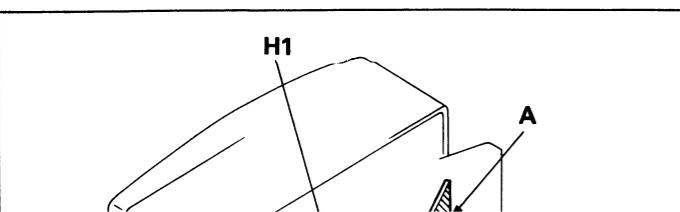
- All capacitors are in μ F unless otherwise noted. pF: $\mu\mu$ F 50WV or less are not indicated except for electrolytics.
- All resistors are in ohms, 1/6W unless otherwise noted. k: 1000 Ω ; M: 1000k Ω
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
-  : nonflammable resistor.
-  : fusible resistor.
-  : internal component.
-  : panel designation.
-  : adjustment for repair.
- All voltage are in V.
- : B + bus.
- - - : B - bus.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken with a 10M Ω digital multimeter.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
-  : signal path.

SCHEMATIC DIAGRAM

THIS SCHEMATIC DIAGRAM IS KV-27XRTD.
V BOARD IS NOT USE KV-27XRD.



CIRCUIT BOARDS LOCATION



NOTE

LANGUAGE

SET

A

B

C

SWEDISH

OPEN

GERMAN

SHORT

ENGLISH

SHORT

CHINESE

SHORT

SPANISH

SHORT

ITALIAN

SHORT

PORTUGUESE

SHORT

RUSSIAN

SHORT

ARABIC

SHORT

THAI

SHORT

VIETNAMESE

SHORT

KOREAN

SHORT

PHILIPPINE

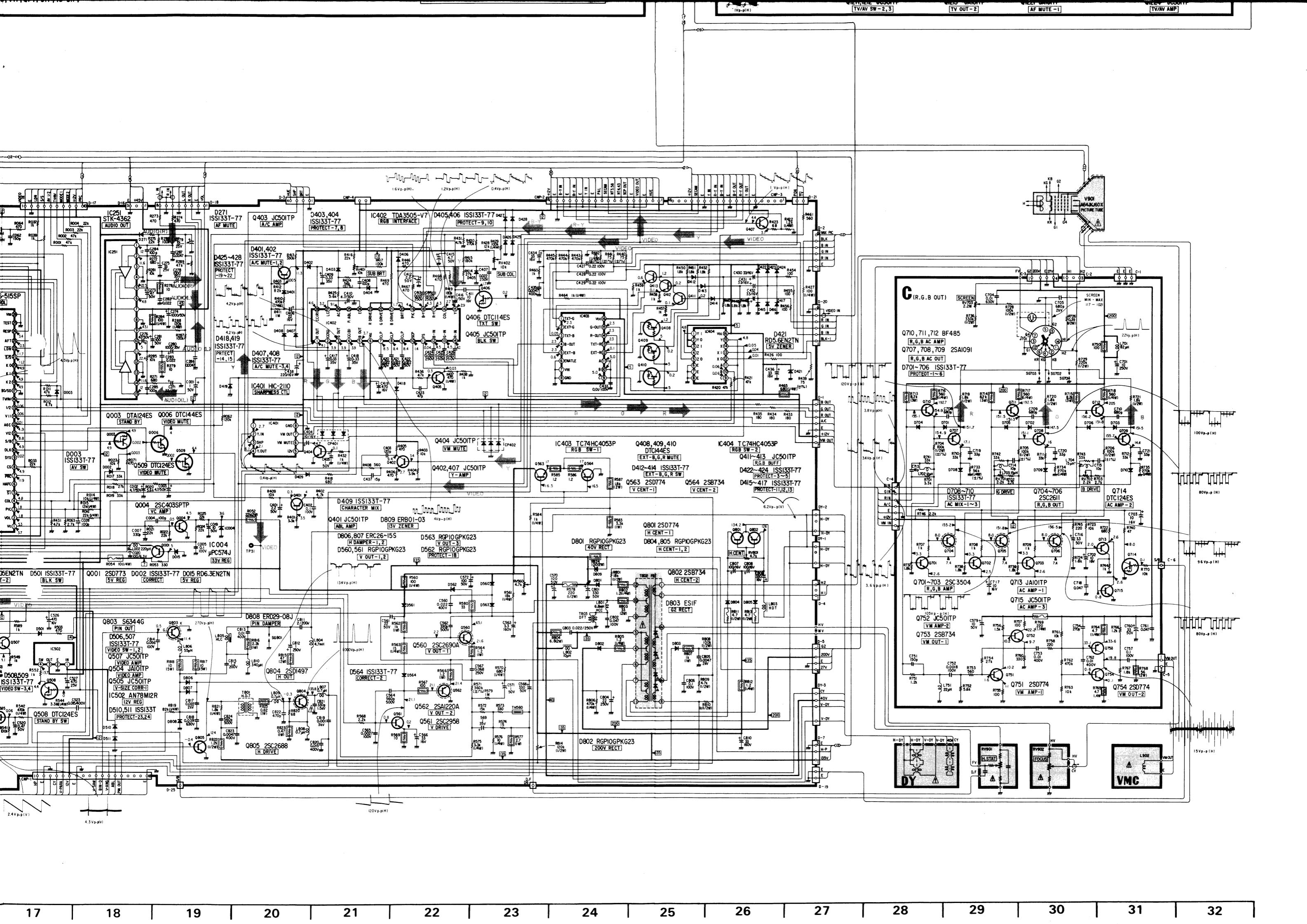
SHORT

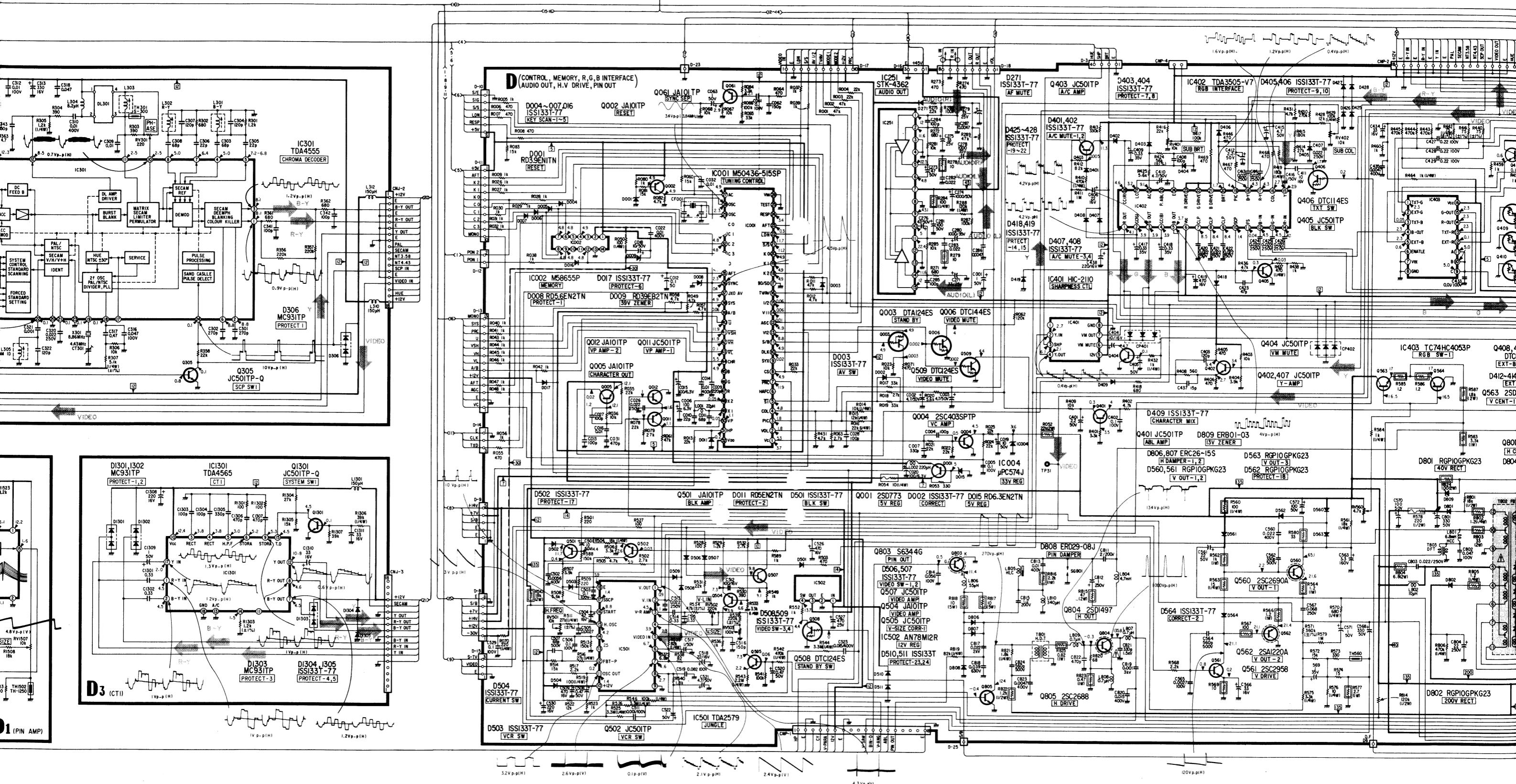
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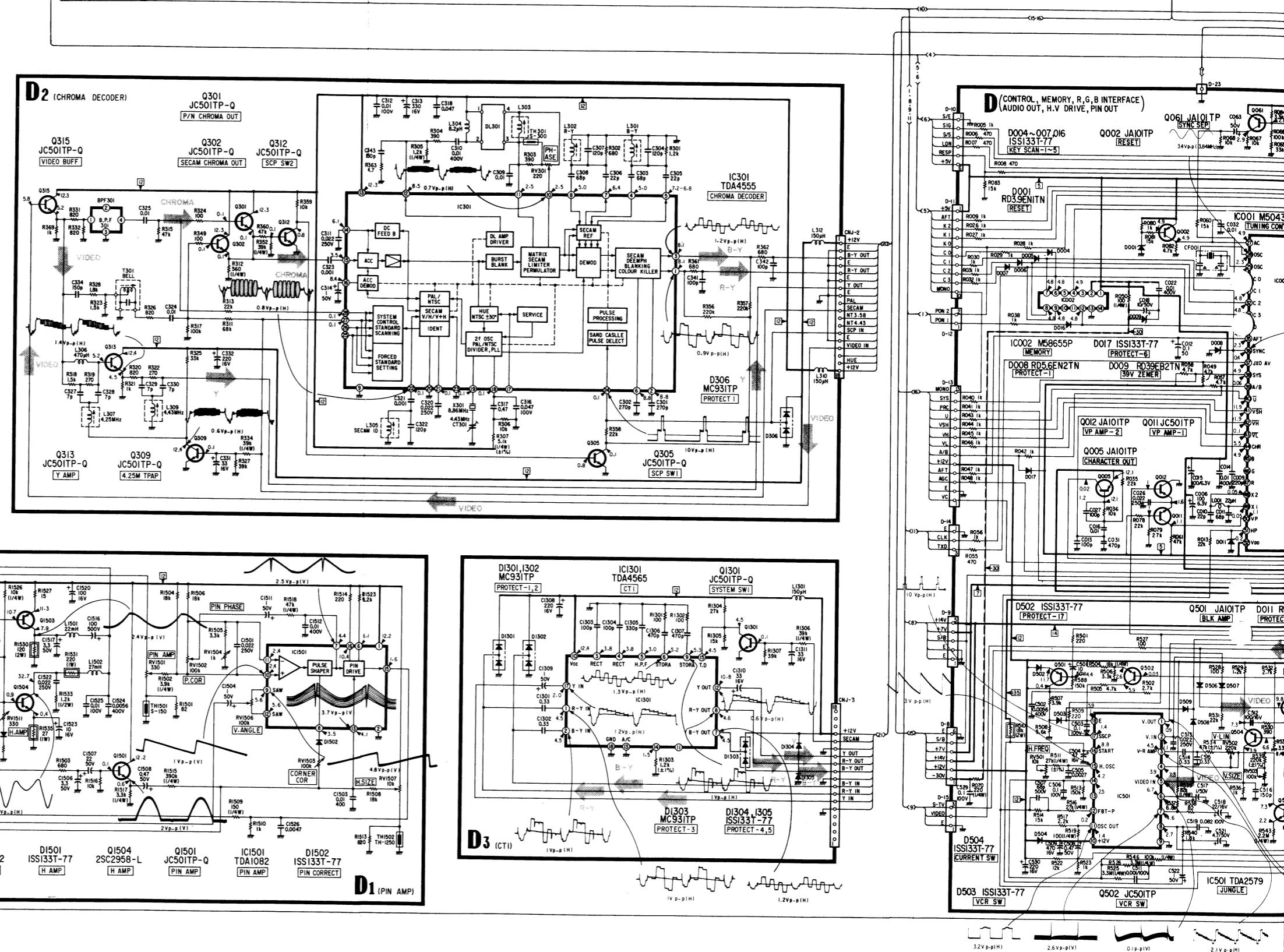
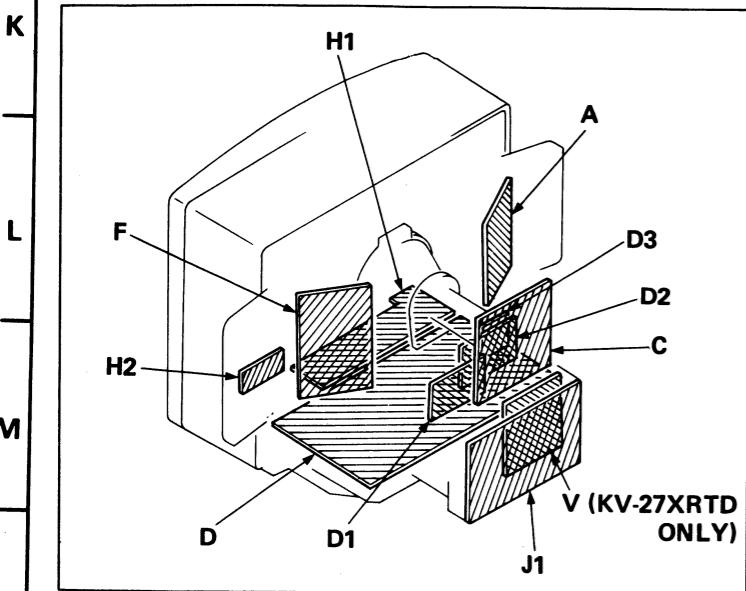
SHORT

THAILAND

SHORT



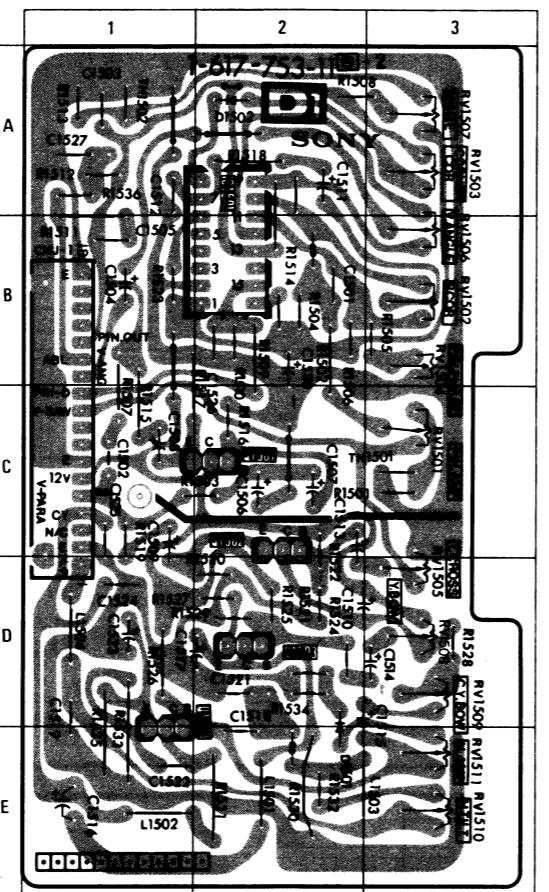




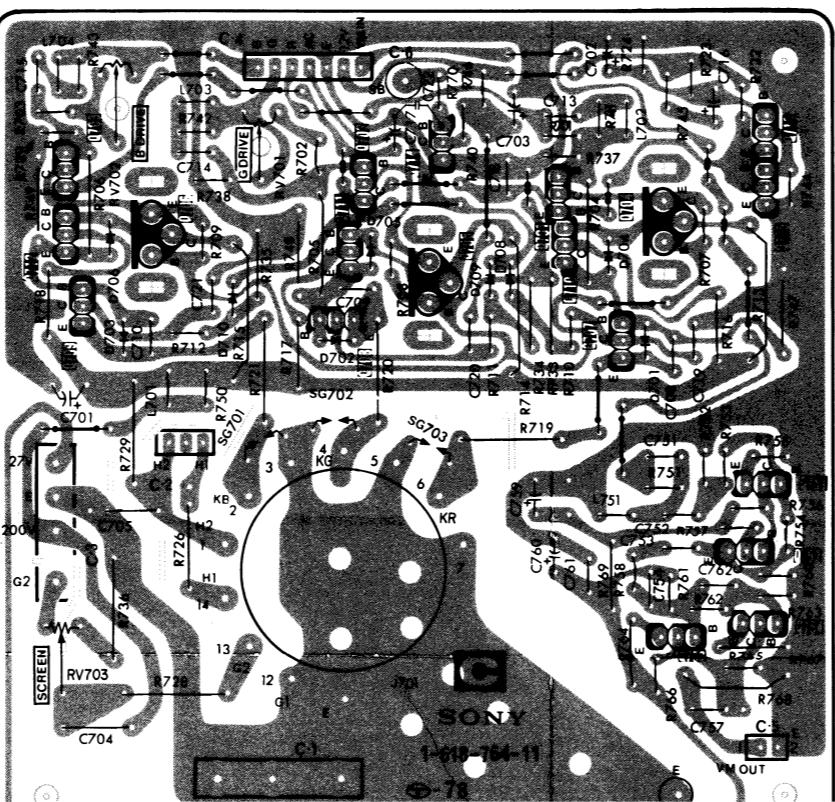
KV-27XRD/27XRTD/RM-664

Q410	B-5	R053	C-8	R437	C-3	R562	F-6	THERMISTOR			
Q411	B-5	R054	D-8	R438	C-3	R563	F-6	TH560 H-6			
		R055	B-10	R440	A-5	R564	E-6				
Q412	B-5	R056	B-10	R441	A-5	R565	E-6				
Q413	B-5	R057	C-11	R442	A-5	R566	F-7				
Q501	H-4	R058	C-11	R443	A-5	R567	G-7				
Q502	H-3	R060	A-9	R444	A-4	R568	I-5				
Q503	I-7	R061	C-10	R445	B-4	R569	H-4				
Q504	I-3	R062	C-7	R447	B-6	R570	F-6				
Q505	I-4	R063	B-9	R448	B-6	R571	H-5				
Q506	J-4	R064	A-12	R449	B-5	R572	H-6				
Q507	I-3	R065	A-10	R450	B-6	R573	H-6				
Q508	D-5	R066	A-10	R451	B-5	R574	H-7				
Q509	G-4	R067	A-9	R452	B-5	R575	H-5				
Q560	E-6	R068	A-9	R454	C-6	R576	H-7				
Q561	H-4	R069	A-11	R455	C-5	R577	E-5				
Q562	G-7	R070	D-9	R456	C-5	R578	E-8				
Q563	F-6	R071	C-8	R457	B-5	R579	H-5				
Q564	F-6	R078	C-10	R458	B-5	R580	F-8				
Q801	F-10	R079	C-10	R459	A-5	R583	F-5				
Q802	F-10	R080	C-13	R460	A-4	R584	G-7				
Q803	R081	R082	B-12	R461	A-6	R585	F-6				
Q804	R083	R084	B-12	R464	B-4	R586	F-6				
Q805	J-8	R083	A-13	R465	C-4	R587	E-5				
		R084	A-9	R468	C-4	R588	H-4				
RESISTOR				R501	H-5	R589	H-3				
R001	A-11	R271	I-1	R502	H-3	R801	H-10				
R002	A-11	R273	I-1	R503	E-4	R802	H-11				
R003	B-11	R274	H-2	R504	H-3	R803	H-10				
R004	A-11	R275	H-2	R505	H-3	R804	I-10				
R005	A-13	R278	H-2	R506	H-3	R805	J-11				
R006	A-12	R279	I-1	R507	H-4	R806	I-9				
R007	A-12	R280	H-2	R508	H-3	R807	I-10				
R008	A-12	R281	G-1	R509	J-4	R808	J-9				
R009	B-12	R284	H-1	R510	H-8	R809	G-9				
R010	C-9	R285	H-1	R511	J-5	R810	H-9				
R011	B-12	R287	I-1	R512	J-5	R811	H-10				
R012	B-12	R288	H-2	R513	J-5	R812	F-9				
R013	C-9	R289	I-1	R514	H-8	R813	H-11				
R014	C-9	R401	D-4	R515	J-6	R814	G-9				
R015	A-9	R402	D-4	R516	J-6	R815	F-13				
R016	A-9	R403	D-2	R517	J-7	R816	E-13				
R017	A-8	R404	D-1	R518	I-7	R817	F-11				
R018	A-8	R405	D-2	R519	J-7	R818	F-11				
R019	A-8	R406	D-1	R520	I-8	R819	G-10				
R020	A-8	R407	D-1	R521	I-7	R820	G-13				
R021	A-8	R408	D-1	R522	J-7	R821	J-8				
R022	A-8	R409	D-4	R523	J-8	R822	H-8				
R023	A-8	R410	B-1	R525	I-7	R823	G-13				
R024	D-9	R411	B-1	R526	H-7	R824	G-9				
R025	D-9	R412	C-1	R527	J-3	R825	J-11				
R026	B-12	R413	C-1	R528	J-3	VARIABLE RESISTOR					
R027	B-12	R414	D-3	R529	I-3	RV401	G-3				
R028	B-12	R415	D-2	R530	I-3	RV402	G-3				
R029	C-12	R416	G-3	R531	J-3	RV501	J-5				
R030	D-12	R417	G-4	R532	I-3	RV502	H-5				
R031	D-12	R418	A-2	R533	I-3	RV503	H-4				
R032	D-12	R419	C-3	R534	I-5	SPARK GAP					
R033	C-12	R420	B-7	R535	H-6	RV560	H-8				
R035	A-2	R421	B-7	R536	I-4	RV801	G-10				
R036	A-2	R422	F-2	R537	I-5	TRANSFORMER					
R037	A-12	R423	F-2	R538	I-6	SG801	E-13				
R038	D-12	R424	A-1	R539	I-4						
R039	A-12	R425	C-2	R540	I-6						
R040	C-11	R426	B-7	R541	I-4						
R041	C-11	R427	A-6	R542	I-3	T801	I-8				
R042	C-10	R428	G-4	R543	I-4	T802	I-12				
R043	C-11	R429	G-4	R544	H-6	T803	E-9				
R044	C-11	R430	E-4	R545	H-4						
R045	C-11	R431	B-8	R546	I-7						
R046	C-11	R432	D-1	R547	I-4						
R047	C-10	R433	A-2	R548	J-4						
R048	A-11	R434	A-2	R549	I-3						
R049	C-10	R435	A-2	R552	D-5						
R050	D-12	R436	A-3	R560	E-7						
R052	F-9			R561	F-7						

D1 [PIN AMP]

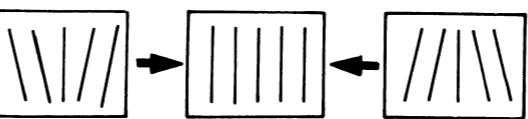


C [R.G.B OUT]



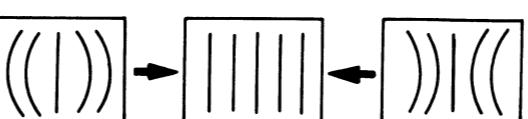
PIN PHASE

Adjust PIN PHASE with RV1504.



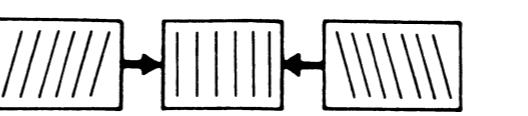
PIN AMP **RV1501 = C-3**

Adjust PIN AMP with RV1501



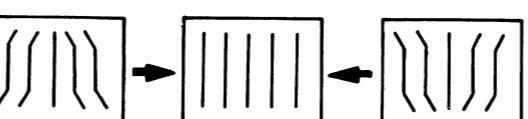
V. ANGLE RV1506 = B-3

Adjust V_c ANGL F with RV1502

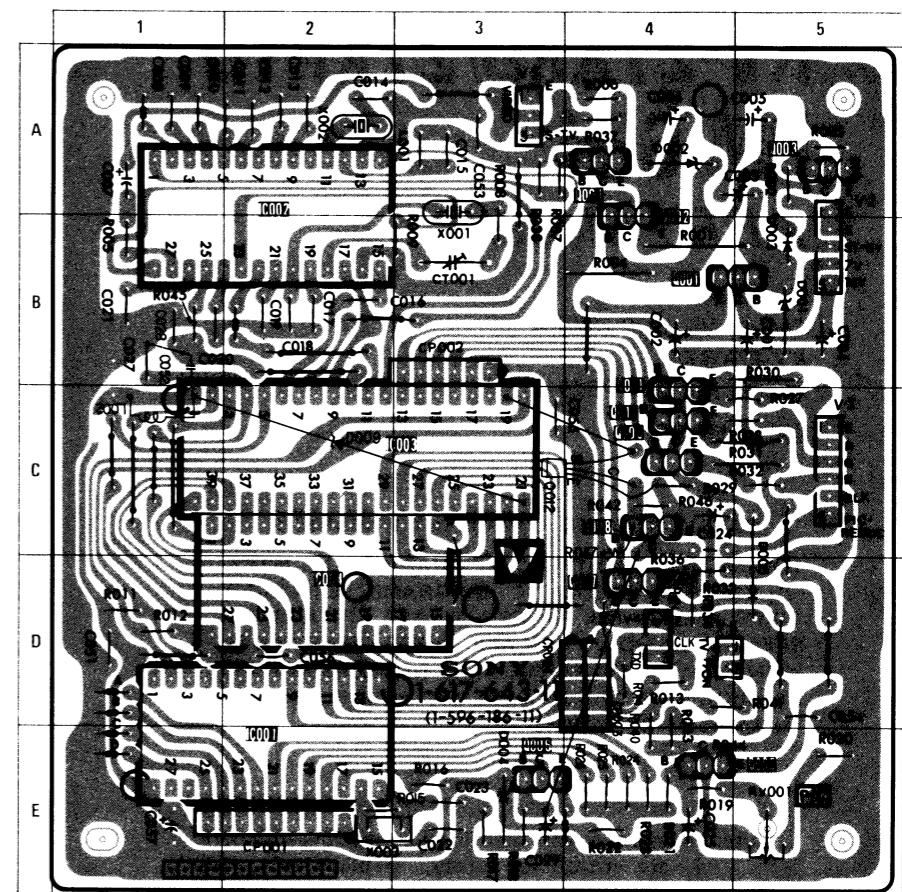


PIN CORRECT

Adjust PIN CORRECT with BV1503



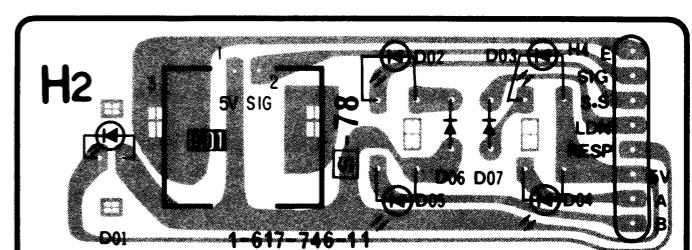
[CCT, VIDEO PROCESSER] KV-27XRTD ONLY



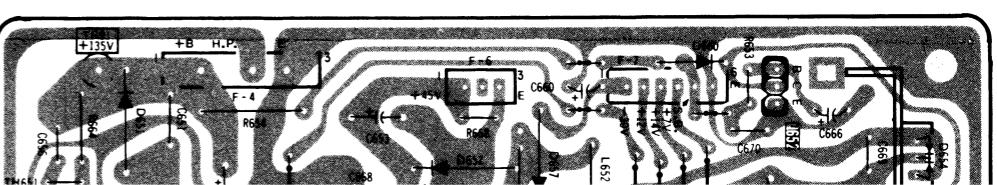
V-1 ≡ A-3 IC002 ≡ B-2 CT001 ≡ B-3

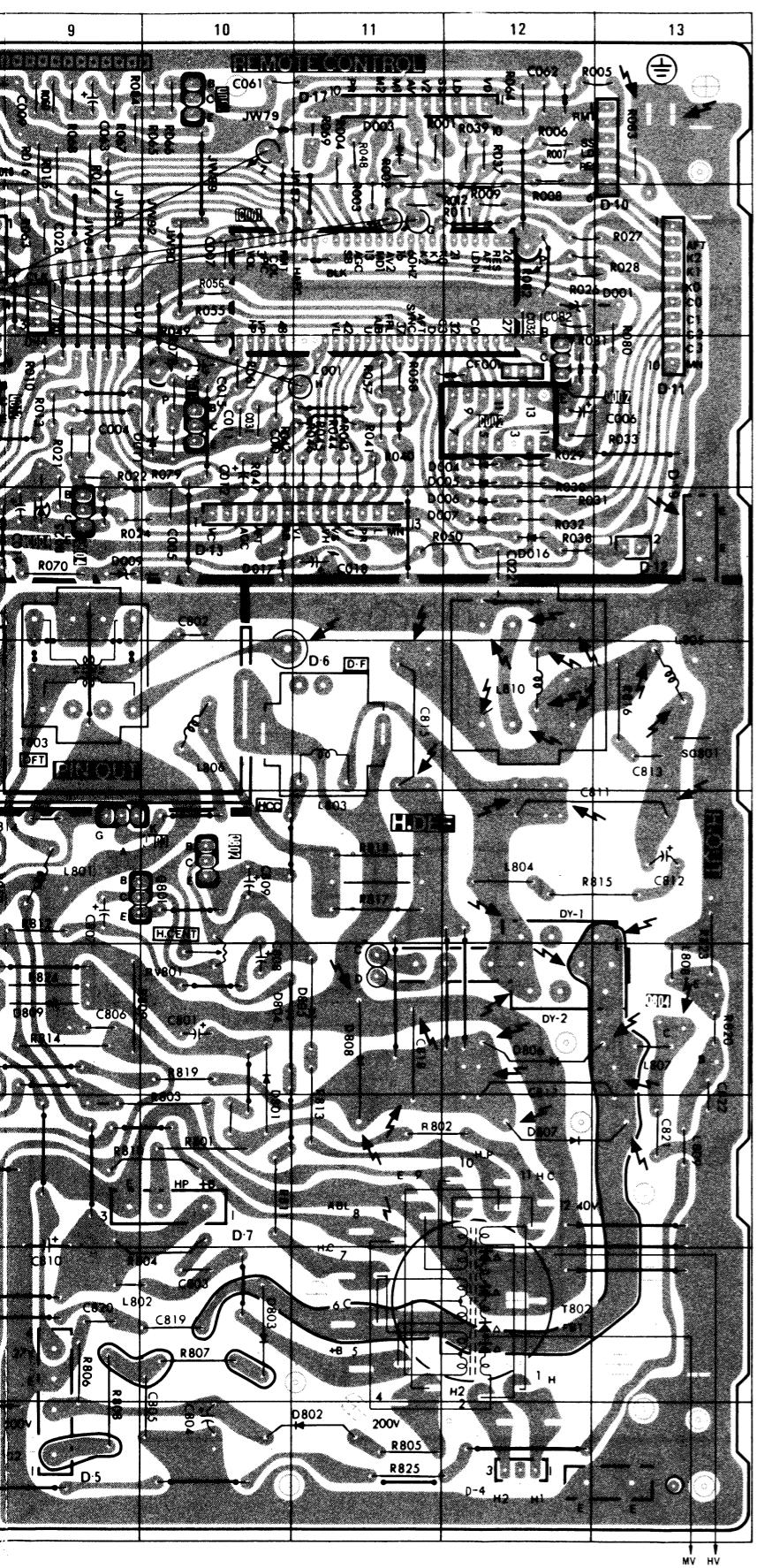
1. Disconnect V-1 connector of V board.
2. Connect frequency counter across pin 17 of IC002 and ground.
3. Adjust CT001 for 6.0MHz \pm 2.0kHz on the frequency counter.

H2



F [REG OUT]



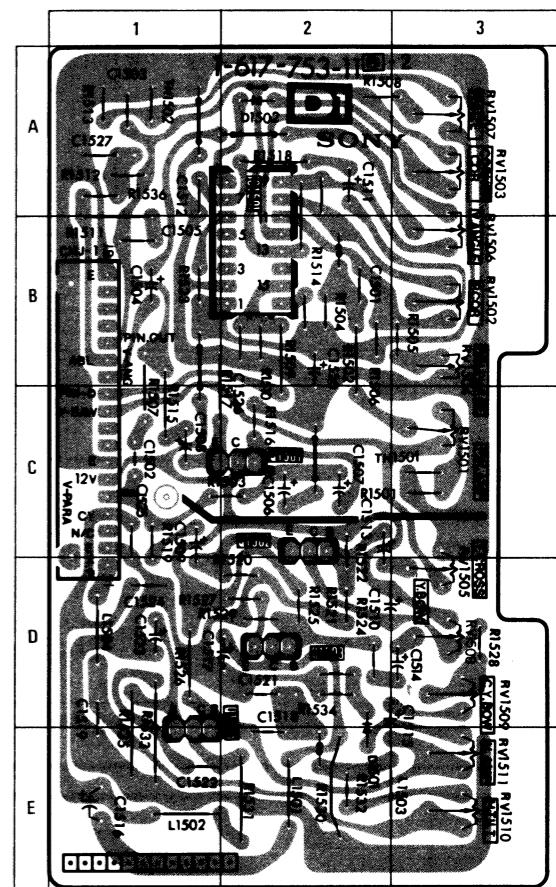


D

CAPACITOR	C434 A-4		CONNECTOR	D503 H-3		Q410 B-5		R053 C-8		R437 C-3		R562 F-6		THERMISTOR TH560 H-6	
	C435 A-4	C436 B-4		CNP1 H-6	D504 J-7	D506 J-3	Q411 B-5	Q412 B-5	R054 D-8	R055 B-10	R438 C-3	R440 A-5	R563 F-6	R564 E-6	
C001	B-8	C437 D-1	CNP2 F-2	D507 J-3	Q413 B-5	Q501 H-4	Q502 H-3	Q503 I-7	R056 B-10	R057 C-11	R441 A-5	R442 A-5	R565 F-7	R566 F-7	
C002	B-8	C438 D-5	CNP3 E-1	D508 H-3	D509 H-3	D510 D-6	D511 A-1	D560 F-8	D561 F-7	Q504 I-3	R060 A-9	R061 C-10	R443 A-5	R567 G-7	
C003	B-8	C439 C-9	CNP4 G-3	D512 H-4	D513 H-3	D514 H-3	D515 H-3	D562 F-8	D563 F-8	Q505 I-4	R062 C-7	R063 B-9	R064 A-12	R444 A-4	R568 I-5
C004	C-9	C440 D-10	C501 H-4	C502 H-3	C503 J-4	C504 J-6	C505 J-5	D564 F-7	D565 G-10	Q506 J-4	R064 A-12	R065 A-10	R066 A-10	R445 B-4	R569 H-4
C005	D-10	C506 J-5	C507 I-8	D516 J-5	D517 H-7	D518 D-8	D519 D-7	D566 G-11	D567 G-11	Q507 I-3	R067 A-8	R068 A-9	R069 A-11	R446 B-5	R570 F-6
C006	C-12	C508 J-8	C509 I-6	D520 H-10	D521 J-11	D522 D-13	D523 A-13	D568 G-12	D569 G-12	Q508 D-5	R070 D-9	R071 C-8	R072 C-10	R447 B-6	R571 H-5
C007	B-10	C510 C-10	C511 C-10	D524 H-7	D525 H-5	D526 I-5	D527 I-5	D570 H-12	D571 H-12	Q509 G-4	R073 C-10	R074 C-10	R075 C-10	R448 B-6	R572 H-6
C009	A-9	C512 J-8	C513 I-5	D528 H-10	D529 J-11	D530 D-13	D531 A-13	D572 G-11	D573 G-11	Q510 E-6	R076 A-10	R077 A-10	R078 A-10	R449 B-5	R573 H-6
C010	C-10	C514 I-5	C515 I-5	D532 H-10	D533 D-13	D534 D-10	D535 D-10	D574 G-11	D575 G-11	Q511 F-6	R079 C-10	R080 C-10	R081 C-10	R450 B-6	R574 H-7
C011	C-10	C516 J-4	C517 H-5	D536 H-5	D537 D-8	D538 D-7	D539 D-7	D576 G-11	D577 G-11	Q512 F-6	R082 C-8	R083 C-8	R084 C-8	R451 B-5	R575 H-5
C012	C-10	C518 I-6	C519 I-6	D540 H-10	D541 J-11	D542 D-13	D543 A-13	D578 G-11	D579 G-11	Q513 F-6	R085 A-13	R086 A-13	R087 A-13	R452 B-5	R576 H-7
C013	A-3	C520 I-4	C521 I-6	D544 H-10	D545 J-11	D546 D-13	D547 A-13	D580 G-11	D581 G-11	Q514 F-6	R088 C-10	R089 C-10	R090 C-10	R453 C-6	R577 E-5
C014	C-10	C522 I-6	C523 H-6	D548 H-10	D549 J-11	D550 D-13	D551 A-13	D582 G-11	D583 G-11	Q515 F-6	R091 C-10	R092 C-10	R093 C-10	R454 C-6	R578 E-8
C015	C-10	C524 I-5	C525 I-5	D552 H-10	D553 J-11	D554 D-13	D555 A-13	D584 G-11	D585 G-11	Q516 F-6	R094 C-10	R095 C-10	R096 C-10	R455 C-5	R579 H-5
C016	A-3	C526 I-5	C527 I-5	D556 H-10	D557 J-11	D558 D-13	D559 A-13	D586 G-11	D587 G-11	Q517 F-6	R097 C-10	R098 C-10	R099 C-10	R456 C-4	R580 F-8
C018	D-11	C528 I-5	C529 C-8	D560 H-10	D561 J-11	D562 D-13	D563 A-13	D588 G-11	D589 G-11	Q518 F-6	R100 C-10	R101 C-10	R102 C-10	R457 B-5	R581 E-5
C019	D-9	C530 I-4	C531 C-10	D564 H-10	D565 J-11	D566 D-13	D567 A-13	D590 G-11	D591 G-11	Q519 F-6	R103 C-10	R104 C-10	R105 C-10	R458 B-5	R582 E-5
C020	C-8	C532 I-2	C533 C-8	D568 H-10	D569 J-11	D570 D-13	D571 A-13	D592 G-11	D593 G-11	Q520 F-6	R106 C-10	R107 C-10	R108 C-10	R459 A-5	R583 F-5
C022	D-12	C534 I-2	C535 C-8	D574 H-10	D575 J-11	D576 D-13	D577 A-13	D594 G-11	D595 G-11	Q521 F-6	R110 C-10	R111 C-10	R112 C-10	R460 A-4	R584 G-7
C026	C-8	C536 I-2	C537 C-8	D580 H-10	D581 J-11	D582 D-13	D583 A-13	D596 G-11	D597 G-11	Q522 F-6	R114 C-10	R115 C-10	R116 C-10	R461 A-6	R585 F-6
C027	A-2	C538 I-2	C539 C-8	D588 H-10	D589 J-11	D590 D-13	D591 A-13	D598 G-11	D599 G-11	Q523 F-6	R118 C-10	R119 C-10	R120 C-10	R462 B-4	R586 F-6
C028	B-9	C540 I-2	C541 C-8	D594 H-10	D595 J-11	D596 D-13	D597 A-13	D600 G-11	D601 G-11	Q524 F-6	R123 C-10	R124 C-10	R125 C-10	R463 C-4	R587 E-5
C031	C-10	C542 I-2	C543 C-8	D602 H-10	D603 J-11	D604 D-13	D605 A-13	D608 G-11	D609 G-11	Q525 F-6	R128 C-10	R129 C-10	R130 C-10	R464 C-4	R588 H-4
C032	B-12	C544 I-2	C545 C-8	D606 H-10	D607 J-11	D608 D-13	D609 A-13	D612 G-11	D613 G-11	Q526 F-6	R134 C-10	R135 C-10	R136 C-10	R465 A-5	R589 G-7
C061	A-10	C546 I-2	C547 C-8	D614 H-10	D615 J-11	D616 D-13	D617 A-13	D620 G-11	D621 G-11	Q527 F-6	R139 C-10	R140 C-10	R141 C-10	R466 A-5	R590 H-3
C062	A-12	C548 I-2	C549 C-8	D622 H-10	D623 J-11	D624 D-13	D625 A-13	D628 G-11	D629 G-11	Q528 F-6	R144 C-10	R145 C-10	R146 C-10	R467 A-4	R591 H-10
C063	A-9	C550 I-2	C551 C-8	D630 H-10	D631 J-11	D632 D-13	D633 A-13	D636 G-11	D637 G-11	Q529 F-6	R149 C-10	R150 C-10	R151 C-10	R468 B-5	R592 H-10
C271	I-1	C552 I-2	C553 C-8	D638 H-10	D639 J-11	D640 D-13	D641 A-13	D644 G-11	D645 G-11	Q530 F-6	R155 C-10	R156 C-10	R157 C-10	R469 A-5	R593 H-10
C273	G-1	C554 I-2	C555 C-8	D646 H-10	D647 J-11	D648 D-13	D649 A-13	D652 G-11	D653 G-11	Q531 F-6	R161 C-10	R162 C-10	R163 C-10	R470 B-5	R594 H-10
C274	H-1	C556 I-2	C557 C-8	D654 H-10	D655 J-11	D656 D-13	D657 A-13	D660 G-11	D661 G-11	Q532 F-6	R168 C-10	R169 C-10	R170 C-10	R471 A-5	R595 H-10
C275	G-1	C558 I-2	C559 C-8	D662 H-10	D663 J-11	D664 D-13	D665 A-13	D668 G-11	D669 G-11	Q533 F-6	R176 C-10	R177 C-10	R178 C-10	R472 B-5	R596 H-10
C276	H-1	C560 I-2	C561 C-8	D670 H-10	D671 J-11	D672 D-13	D673 A-13	D676 G-11	D677 G-11	Q534 F-6	R184 C-10	R185 C-10	R186 C-10	R473 B-5	R597 H-10
C278	I-2	C562 I-2	C563 C-8	D678 H-10	D679 J-11	D680 D-13	D681 A-13	D684 G-11	D685 G-11	Q535 F-6	R192 C-10	R193 C-10	R194 C-10	R474 B-5	R598 H-10
C279	J-1	C564 I-2	C565 C-8	D686 H-10	D687 J-11	D688 D-13	D689 A-13	D692 G-11	D693 G-11	Q536 F-6	R200 C-10	R201 C-10	R202 C-10	R475 B-5	R599 H-10
C280	I-2	C566 I-2	C567 C-8	D694 H-10	D695 J-11	D696 D-13	D697 A-13	D700 G-11	D701 G-11	Q537 F-6	R208 C-10	R209 C-10	R210 C-10	R476 B-5	R600 H-10
C281	H-2	C568 I-2	C569 C-8	D708 H-10	D709 J-11	D710 D-13	D711 A-13	D714 G-11	D715 G-11	Q538 F-6	R216 C-10	R217 C-10	R218 C-10	R477 B-5	R601 H-10
C282	G-2	C570 I-2	C571 C-8	D716 H-10	D717 J-11	D718 D-13	D719 A-13	D722 G-11	D723 G-11	Q539 F-6	R224 C-10	R225 C-10	R226 C-10	R478 B-5	R602 H-10
C283	I-1	C572 I-2	C573 C-8	D724 H-10	D725 J-11	D726 D-13	D727 A-13	D730 G-11	D731 G-11	Q540 F-6	R232 C-10	R233 C-10	R234 C-10	R479 B-5	R603 H-10
C284	G-1	C574 I-2	C575 C-8	D732 H-10	D733 J-11	D734 D-13	D735 A-13	D738 G-11	D739 G-11	Q541 F-6	R240 C-10	R241 C-10	R242 C-10	R480 B-5	R604 H-10
C285	I-1	C576 I-2	C577 C-8	D740 H-10	D741 J-11	D742 D-13	D743 A-13	D746 G-11	D747 G-11	Q542 F-6	R248 C-10	R249 C-10	R250 C-10	R481 B-5	R605 H-10
C286	I-1	C578 I-2	C579 C-8	D748 H-10	D749 J-11	D750 D-13	D751 A-13	D754 G-11	D755 G-11	Q543 F-6	R256 C-10	R257 C-10	R258 C-10	R482 B-5	R606 H-10
C287	F-1	C580 I-2	C581 C-8	D756 H-10	D757 J-11	D758 D-13	D759 A-13	D762 G-11	D763 G-11	Q544 F-6	R264 C-10	R265 C-10	R266 C-10	R483 B-5	R607 H-10
C401	D-4	C582 I-2	C583 C-8	D764 H-10	D765 J-11	D766 D-13	D767 A-13	D770 G-11	D771 G-11	Q545 F-6	R272 C-10	R273 C-10	R274 C-10	R484 B-5	R608 H-10
C402	D-4	C584 I-2	C585 C-8	D772 H-10	D773 J-11	D774 D-13	D775 A-13	D778 G-11	D779 G-11	Q546 F-6	R280 C-10	R281 C-10	R282 C-10	R485 B-5	R609 H-10
C403	D-2	C586 I-2	C587 C-8	D780 H-10	D781 J-11	D782 D-13	D783 A-13	D786 G-11	D787 G-11	Q547 F-6	R288 C-10	R289 C-10	R290 C-10	R486 B-5	R610 H-9
C404	D-1	C588 I-2	C589 C-8	D788 H-10	D789 J-11	D790 D-13	D791 A-13	D794 G-11	D795 G-11	Q548 F-6	R296 C-10	R297 C-10	R298 C-10	R487 B-5	R611 H-9
C405	D-1	C590 I-2	C591 C-8	D796 H-10	D797 J-11	D798 D-13	D799 A-13	D802 G-11	D803 G-11	Q549 F-6	R304 C-10	R305 C-10	R306 C-10	R488 B-5	R612 H-9
C406	B-1	C592 I-2	C593 C-8	D804 H-10	D805 J-11	D806 D-13	D807 A-13	D810 G-11	D811 G-11	Q550 F-6	R312 C-10	R313 C-10	R314 C-10	R489 B-5	R613 H-9
C407	E-3	C594 I-2	C595 C-8	D812 H-10	D813 J-11	D814 D-13	D815 A-13	D818 G-11	D819 G-11	Q551 F-6	R320 C-10	R321 C-10	R322 C-10	R490 B-5	R614 H-9
C408	A-1	C596 I-2	C597 C-8	D820 H-10	D821 J-11	D822 D-13	D823 A-13	D826 G-11	D827 G-11	Q552 F-6	R328 C-10	R329 C-10	R330 C-10	R491 B-5	R615 H-9
C409	C-2	C598 I-2	C599 C-8	D828 H-10	D829 J-11	D830 D-13	D831 A-13	D834 G-11	D835 G-11	Q553 F-6	R336 C-10	R337 C-10	R338 C-10	R492 B-5	R616 H-9
C410	C-2	C600 I-2	C601 C-8	D836 H-10	D837 J-11	D838 D-13	D839 A-13	D842 G-11	D843 G-11	Q554 F-6	R344 C-10	R345 C-10	R346 C-10	R493 B-5	R617 H-9
C411	C-3	C602 I-2	C603 C-8	D844 H-10	D845 J-11	D846 D-13	D847 A-13	D850 G-11	D851 G-11	Q555 F-6	R352 C-10	R353 C-10	R354 C-10	R494 B-5	R618 H-9
C412	C-4	C604 I-2	C605 C-8	D852 H-10	D853 J-11	D854 D-13	D855 A-13	D858 G-11	D859 G-11	Q556 F-6	R360 C-10	R361 C-10	R362 C-10	R495 B-5	R619 H-9
C413	C-3	C606 I-2	C607 C-8	D860 H-10	D861 J-11	D862 D-13	D863 A-13	D866 G-11	D867 G-11	Q557 F-6	R368 C-10	R369 C-10	R370 C-10	R496 B-5	R620 H-9
C414	C-3	C608 I-2	C609 C-8	D868 H-10	D869 J-11	D870 D-13	D871 A-13	D874 G-11	D875 G-11	Q558 F-6	R376 C-10	R377 C-10	R378 C-10	R497 B-5	R621 H-8
C415	F-4	C610 I-2	C611 C-8	D876 H-10	D877 J-11	D878 D-13	D879 A-13	D882 G-11	D883 G-11	Q559 F-6	R384 C-10	R385 C-10	R386 C-10	R498 B-5	R622 H-8
C416	C-3	C612 I-2	C613 C-8	D884 H-10	D885 J-11	D886 D-13	D887 A-13	D890 G-11	D891 G-11	Q560 F-6	R392 C-10	R393 C-10	R394 C-10	R499 B-5	R623 H-8
C417	C-2	C614 I-2	C615 C-8	D896 H-10	D897 J-11	D898 D-13	D899 A-13	D902 G-11	D903 G-11	Q561 F-6	R400 C-10	R401 C-10	R402 C-10	R500 B-5	R624 H-8
C418	B-1	C616 I-2	C617 C-8	D904 H-10	D905 J-11	D906 D-13	D907 A-13	D910 G-11	D911 G-11	Q562 F-6	R408 C-10	R409 C-10	R410 C-10	R501 B-5	R625 H-8
C419	C-2	C618 I-2	C619 C-8	D912 H-10	D913 J-11	D914 D-13	D915 A-13	D918 G-11	D919 G-11	Q563 F-6	R416 C-10	R417 C-10	R418 C-10	R502 B-5	R626 H-8
C420	B-2	C620 I-2	C621 C-8	D920 H-10	D921 J-11	D922 D-13	D923 A-13	D926 G-11	D927 G-11	Q564 F-6	R424 C-10	R425 C-10	R426 C-10	R503 B-5	R627 H-8
C421	A-3	C622 I-2	C623 C-8	D928 H-10	D929 J-11	D930 D-13	D931 A-13	D934 G-11	D935 G-11	Q565 F-6					

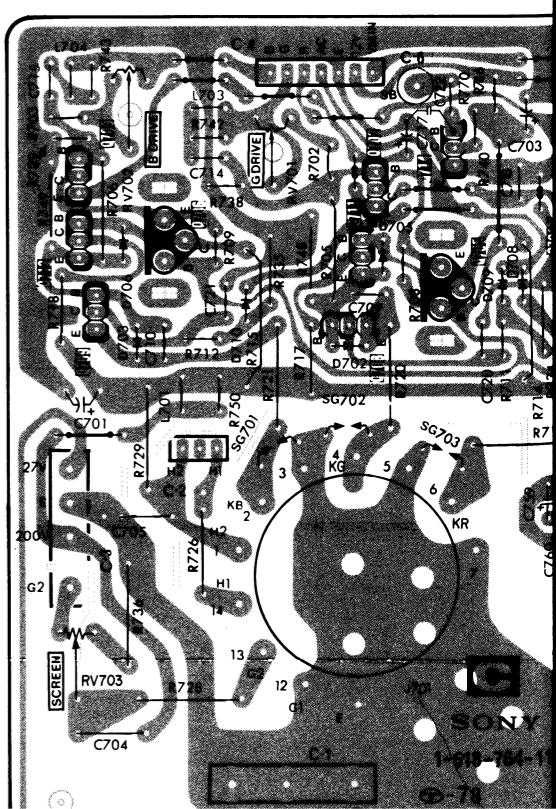
D1

[PIN AMP]



C

[R.G.B OUT]



H FREQUENCY **IC501 = I-5, RV501 = J-5**

1 Connect a jumper to IC501 pin 5 and the ground.

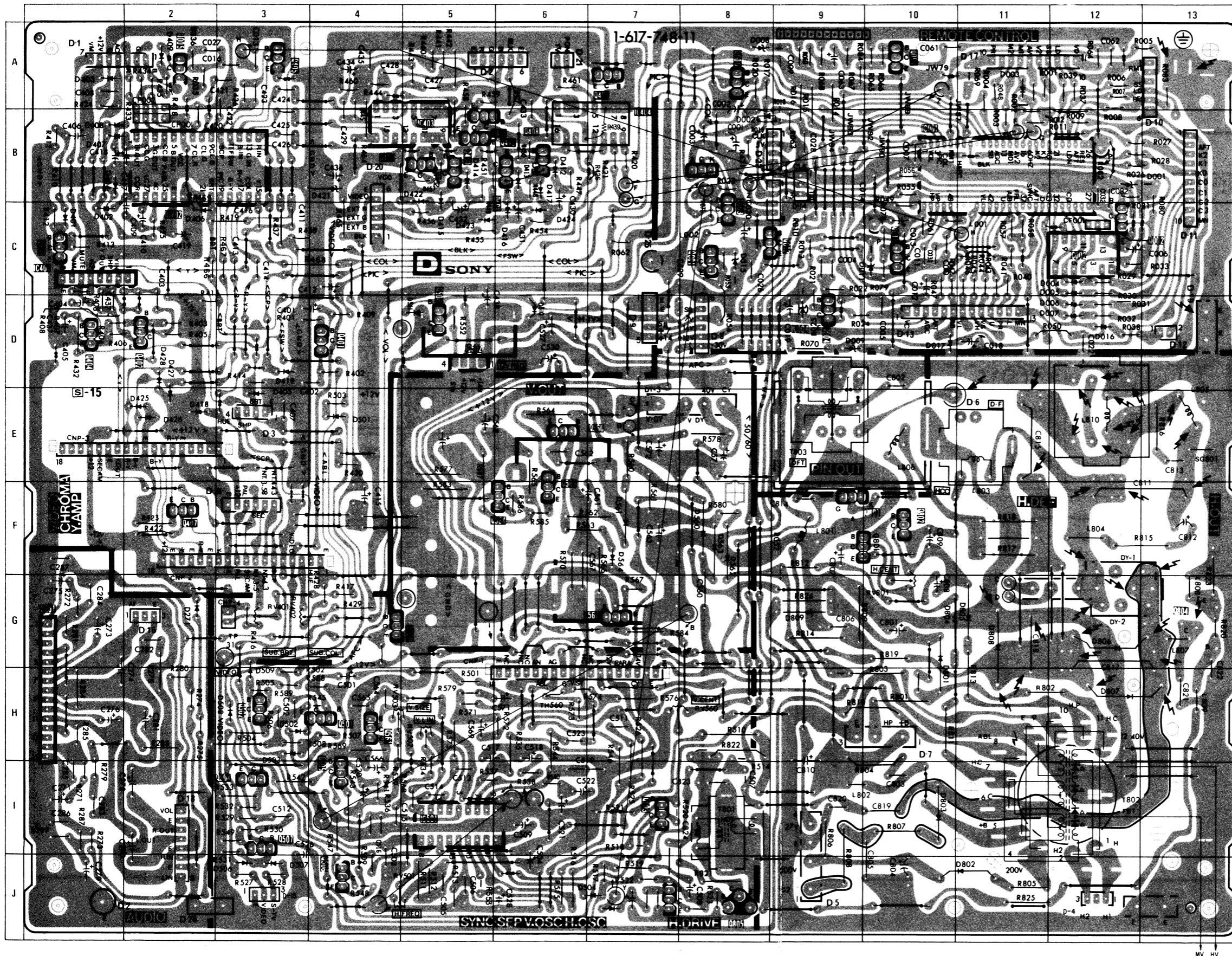
MOUNTING DIAGRAMS

Note: All mounting diagrams are viewed from conductor side.

D

[CONTROL, MEMORY, R.G.B. INTERFACE]
[AUDIO OUT, H/V DRIVE, PIN OUT]

D



CAPACITOR		C434 A-4		CONNECTOR		D503 H-3	
C001	B-8	C435	A-4	CNP1	H-6	D504	J-7
C002	B-8	C436	B-4	CNP2	F-2	D506	J-3
C003	B-8	C437	D-1	CNP3	E-1	D507	J-3
C004	C-9	C438	D-5	CNP4	G-3	D508	H-3
C005	D-10	C501	H-4	D1	A-1	D509	H-3
		C502	H-3			D510	D-6
C006	C-12	C503	J-4	D2	A-5	D560	F-8
C007	B-10	C504	J-6	D3	E-3	D561	F-7
C009	A-9	C505	J-5	D4	J-12	D562	F-8
C010	C-10	C506	J-5	D5	J-9	D563	F-8
C011	C-10	C507	I-8	D6	E-11	D564	F-7
C012	C-10	C508	J-8	D7	H-10	D801	G-10
C013	A-3	C509	I-6	D8	D-8	D802	J-11
C014	C-10	C511	H-7	D9	D-7	D803	I-10
C015	C-10			D10	A-13	D804	G-10
C016	A-3	C512	I-3	D11	B-13	D805	G-11
		C513	I-5			D806	G-12
C018	D-11	C514	I-5	D12	D-13	D807	H-12
C019	D-9	C515	I-5	D13	D-10	D808	G-11
C020	C-8	C516	J-4	D14	B-9	D809	G-9
C022	D-12			D15	J-3		
C026	C-8	C517	H-5	D16	G-2		
		C518	H-6				
C027	A-2	C519	I-6	D17	A-11	IC	
C028	B-9	C520	I-4	D18	I-2	IC001	B-11
C031	C-10	C521	I-6	D19	D-13	IC002	C-12
C032	B-12			D20	B-4	IC004	D-9
C061	A-10	C522	I-6	D21	A-6	IC251	G-1
		C523	H-6			IC401	C-1
C062	A-12	C526	J-3	D22	B-8		
C063	A-9	C527	D-6	D24	F-3	IC402	B-2
C271	I-1	C528	J-6	D25	J-2	IC403	B-5
C273	G-1			D26	F-12	IC404	B-7
C274	H-1	C529	C-8	DY1		IC501	I-5
		C530	D-6			IC502	D-5
C275	G-1	C560	G-8	DY2	G-12		
C276	H-1	C561	F-7	DY3	E-7		
C278	I-2	C562	E-5				
C279	J-1						
C280	I-2	C563	F-7				
		C564	H-4				
C281	H-2	C565	H-4	DIODE		MODULE	
C282	G-2	C566	I-4	D001	B-12		
C283	I-1	C567	F-6	D002	B-8	IC401	C-1
C284	G-1			D003	A-11		
C285	I-1	C568	E-5	D004	C-12	COIL	
		C569	H-5	D005	C-12		
C286	I-1	C570	E-8	D006	D-12	L001	C-11
C287	F-1	C571	H-6	D007	D-12	L002	C-8
C401	D-4	C572	E-7	D008	A-8	L401	2
C402	D-4			D009	D-9	L801	9
C403	D-2	C801	G-10	D011	C-10	L802	I-9
		C802	D-10	D015	C-8		
C404	D-1	C803	I-10	D007	D-12	L803	11
C405	D-1	C804	J-10	D016	D-12	L804	12
C406	B-1	C805	J-10	D017	D-10	L805	E-13
C407	E-3			D271	G-2	L806	E-10
C408	A-1	C806	G-9	D401	C-1	L807	G-13
		C807	F-9	D402	C-1		
C409	C-2	C808	G-10	D403	A-1	TRANSISTOR	
C410	C-2	C809	F-10	D404	B-1		
C411	C-3	C810	I-9	D405	E-3	Q001	C-8
C412	C-4			D406	C-2	Q002	C-12
C413	C-3	C811	F-13	D407	B-1	Q003	C-8
		C812	F-13			Q004	D-9
C414	C-3	C813	E-13	D408	B-1	Q005	A-2
C415	F-4	C814	F-9	D409	A-2		
C416	C-3	C815	E-11	D412	B-6	Q006	A-8
C417	C-2			D413	B-6	Q011	C-10
C418	B-1	C817	G-12	D414	B-5	Q012	C-8
		C818	G-11	D415	C-5	Q061	A-1C
C419	C-2	C819	I-10	D416	C-6	Q401	D-4
C420	B-2	C820	I-9	D417	B-6		
C421	A-3	C821	H-13	D418	E-2	Q402	D-2
C422	B-3			D419	D-3	Q403	C-1
C423	A-3	C822	H-13	D421	B-4	Q404	D-1
		C823	I-8	D422	C-5	Q405	A-3
C424	A-3	C824	I-8	D423	C-5	Q406	A-7
				D424	C-6		
C425	B-3			D425	E-2		
C426	B-3			D426	E-2		
C427	A-5			D427	E-2		
C428	A-4			D428	D-2		
				D501	E-4		
C429	B-4			D502	H-3		
C430	C-6						
C431	C-6						
C432	C-5						
C433	B-6						
		CF001	C-12				

SUB BRIGHT

IC402 = B-2, RV401 = G-3

SUB COLOR ADJUSTMENT

IC402 = B-2, RV402 = G-3

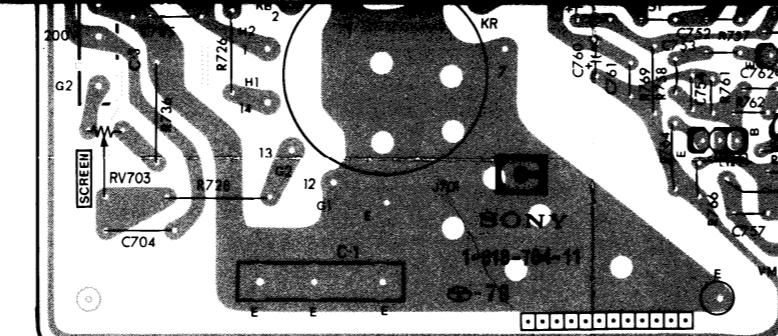
H FREQUENCY IC501 = I-5, RV501 = J-5

1. *Receive a dot signal.*

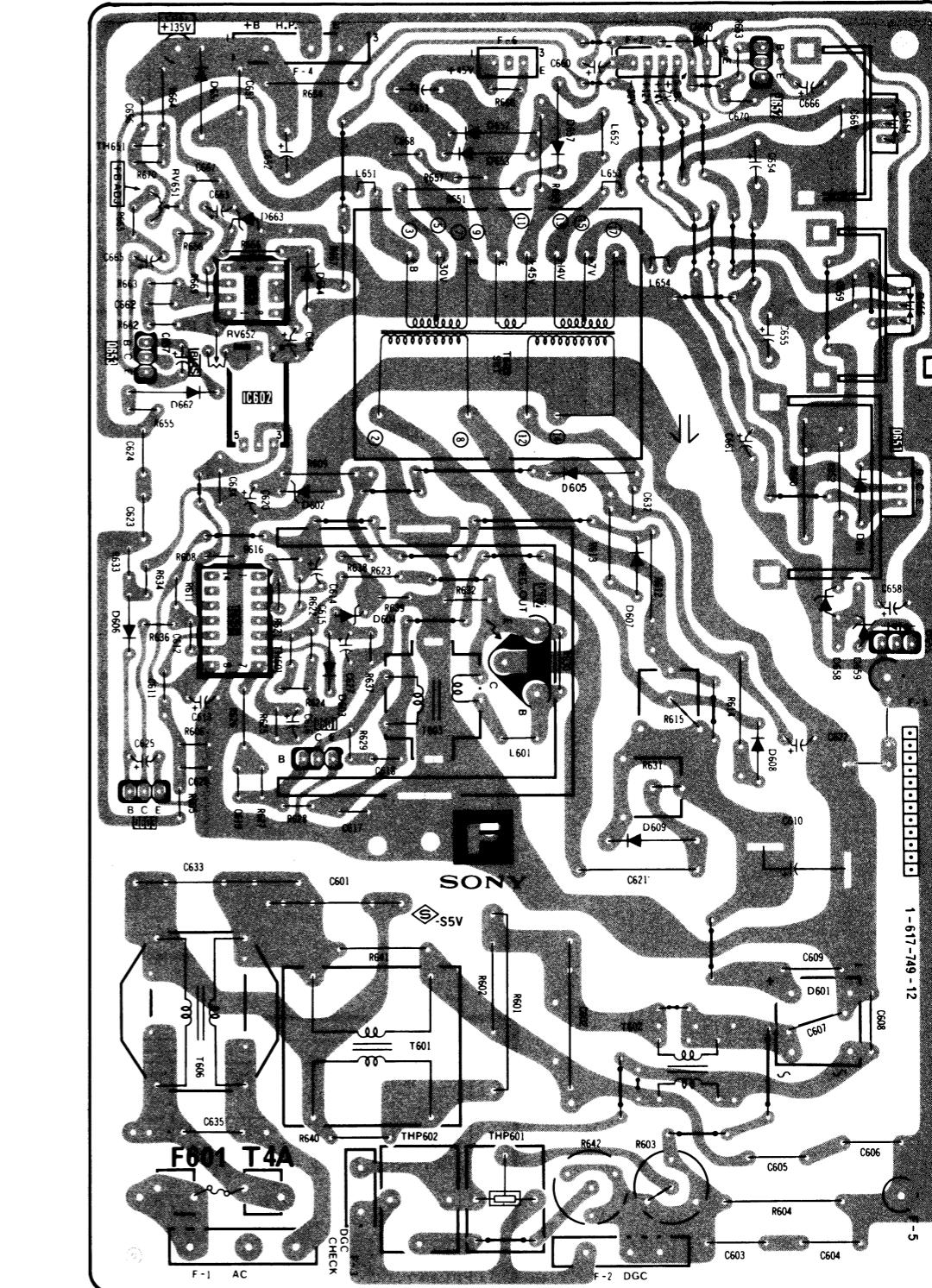
1. *Receive a color bar signal.*

1 Connect a jumper to IC501 pin 5 and the ground.

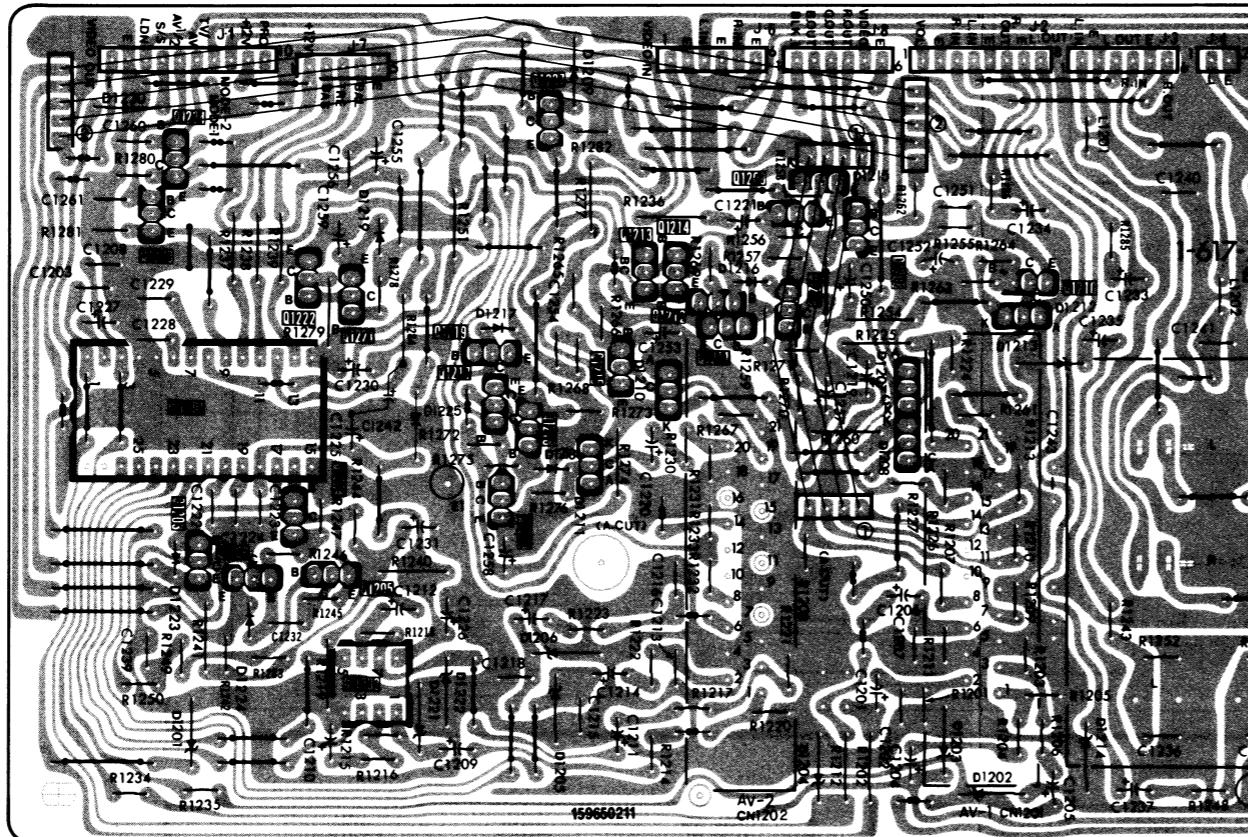
R047	C-10	R434	A-2	R549	I-3
R048	A-11	R435	A-2	R552	D-5
R049	C-10	R436	A-3	R560	E-7
R050	D-12			R561	F-7
R052	F-9				



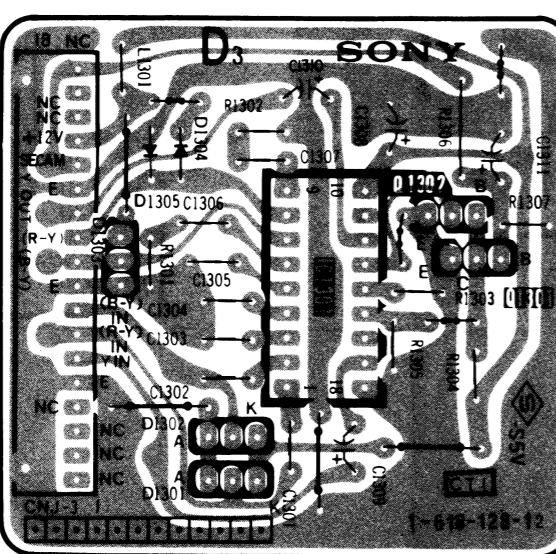
[REG OUT]



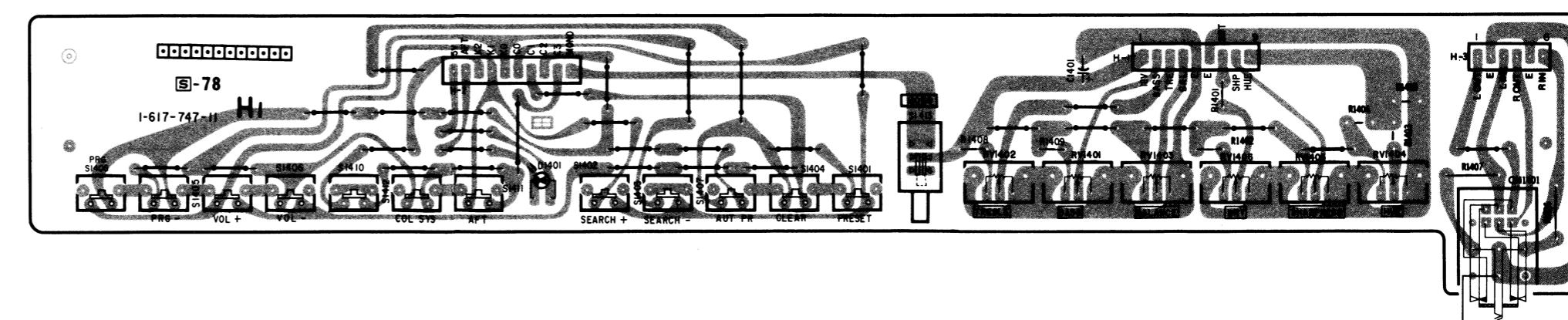
J1 [INTERFACE TV/AV SW]

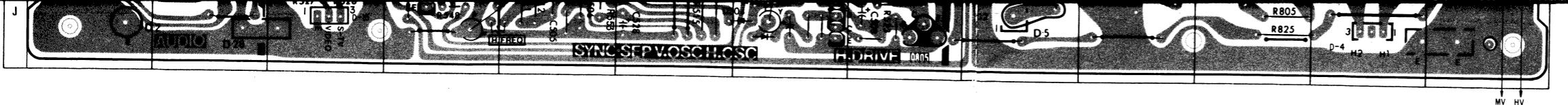


D3 [CTI]



H1 [CONTROL INDICAT]



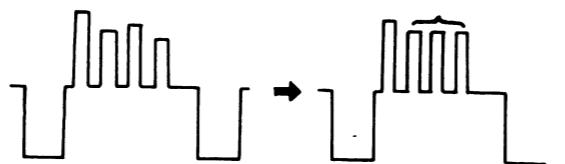


SUB BRIGHT IC402 = B-2, RV401 = G-3

1. Receive a dot signal.
2. PICTURE control normal
- COLOR control normal
- BRIGHTNESS control center click
3. Connect an digital multimeter at pin (20) of IC402.
4. Adjust RV401 to 1.7V dc.

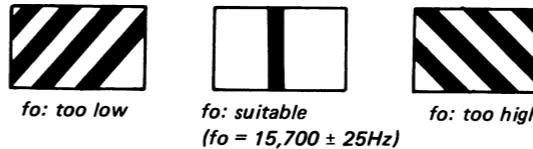
SUB COLOR ADJUSTMENT IC402 = B-2, RV402 = G-3

1. Receive a color bar signal.
2. PICTURE control normal
- COLOR control normal
- BRIGHTNESS control center click
3. Connect an oscilloscope at pin (17) of IC402.
4. Adjust RV402 so that same level as shown.



H FREQUENCY IC501 = I-5, RV501 = J-5

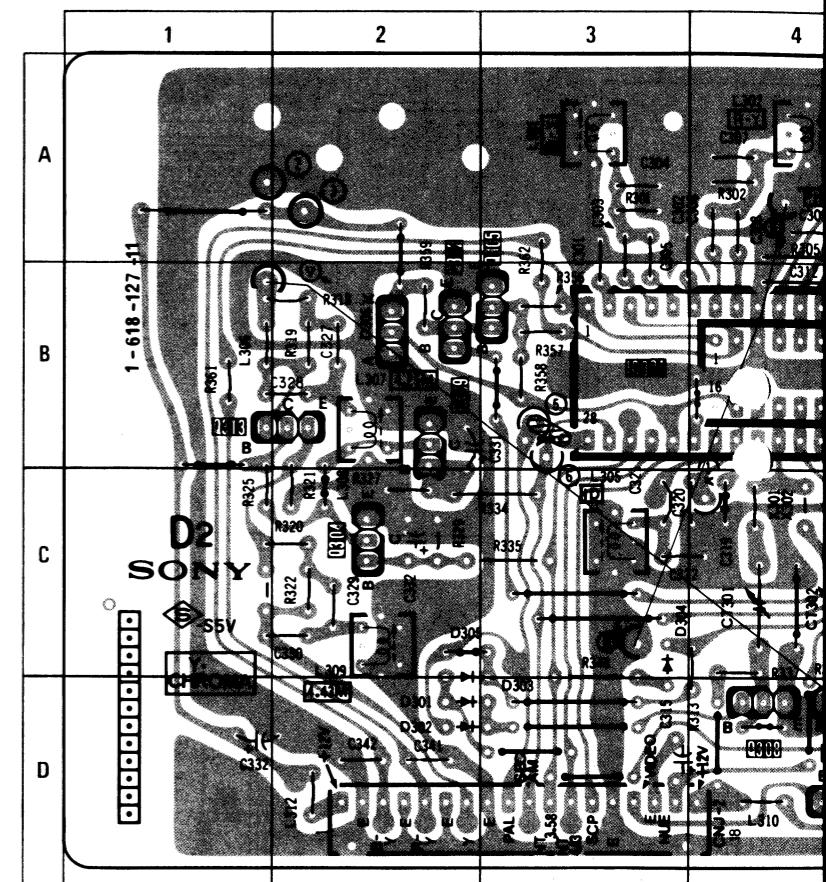
1. Connect a jumper to IC501 pin (5) and the ground.
2. Adjust H FREQUENCY VR (RV501) for stable picture.



3. After completing this adjustment, disconnect a jumper wire from D board.

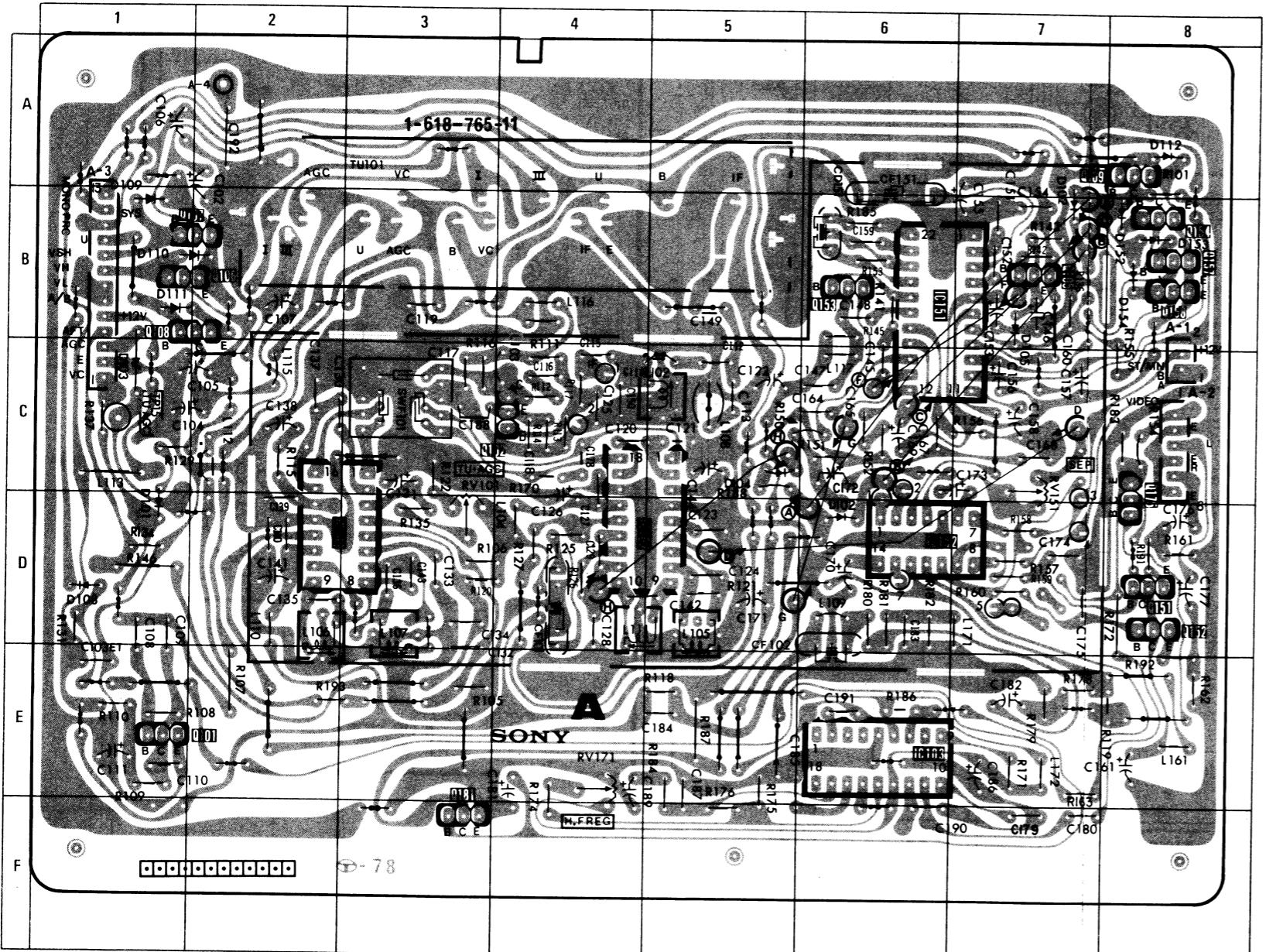
D2

[CHROMA DECODER]



A

[BAND SW, VIF, QPT, SIF, ID SIF]



TU. AGC RV101 = D-3

1. Tune in an off-air signal.
2. Adjust RV101 so that snow-noise and cross-modulation just disappear from picture.

SEPARATION ADJUSTMENT RV151 = C-7

1. Receive a stereo signal (L-CH 1kHz, R-CH 400Hz).
2. Confirm the stereo indicator.
3. Confirm the output 1kHz signal at pin (9) of IC152.
4. Adjust RV151 so that minimum 1kHz signal at pin (10) of IC152.

SIF ADJUSTMENT L105 = D-5

1. Tune in an off-air signal.
2. Adjust L105 for maximum clear-sound.

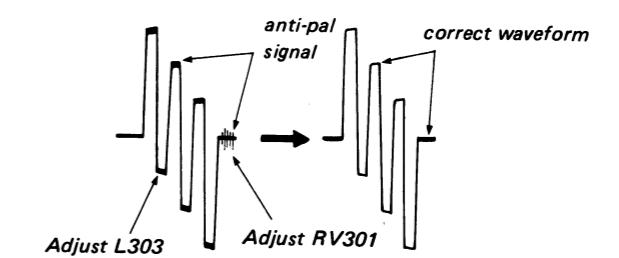
REF OSC IC301 = B-3, CT301 = C-4

1. Receive a color bar signal.
2. Ground pin (11) of IC301 and turn color killer OFF.
3. Adjust CT301 so that the movement of picture on the CRT becomes the slowest.

1H DELAY LINE

IC301 = B-3, L303 = A-5, RV301 = A-5

1. Receive a color bar signal.
2. Observe the pin (3) IC301 waveform on the oscilloscope, and adjust so that the chroma component becomes minimum with L303.
3. Get tracking with both L303 and RV301 as shown.



Y TRAP CNJ-2 = B, L309

1. Receive a color bar signal.
2. Observe the pin (7) CNJ-2 waveform and adjust L309 for minimum 4.43M carrier leakage.

